

**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., WSP USA Environment & Infrastructure Inc.

C. WEB SITE ADDRESS (If one exists):

www.wsp.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:

January 1 to March 31, 2023.

I. ACCOMPLISHMENTS THIS PERIOD:

- Prepared for and participated in the January 25 and March 10, 2023 technical committee meetings to review and discuss the Task 3 guidelines and control site selection tool. Revisions to the guidelines and tool are being made in response to input received during referenced meetings.
- Continued working on the Task 4 draft final report and associated technology transfer tools. Drafts of one-page fact sheet, webinar presentation and poster have been completed and are ready for review. Revised draft of control site selection guidelines and tool as well as of draft project report are nearly complete. Project deliverables will be submitted to NETC for final review by May 15, 2023.

- Prepared and submitted quarterly progress report covering the period of October 1 to December 31, 2022.
- Prepared and submitted monthly invoices for December 2022, January 2023, and February 2023.

J. PROBLEMS ENCOUNTERED (If any):

No problems to report to date.

K. TECHNOLOGY TRANSFER ACTIVITIES:

The DQMP guidelines and control site selection tool being developed under Task 3 will be key components to the project’s technology transfer activities. In addition, the project team is completing drafts of the remaining technology transfer tools—one-page fact sheet, webinar presentation, and poster—as well as draft report. It is anticipated that work on the technology transfer tools and report will be completed and submitted to NETC for review by May 15, 2023.

L. STATUS BY TASK:

- Task 1 Review and analyze data QMPs – 100% complete.
- Task 2 Identify test site characteristics needed to establish precision and bias values for pavement metrics – 100% complete.
- Task 3 Develop guidelines for validating that equipment is producing sound data – 90% complete (revised draft guidelines and control site selection tool are being finalized by the project team). Activities under this task will be completed during the upcoming reporting period.
- Task 4 Draft final report and technology transfer strategy and toolbox – 70% complete (draft report and tools are being finalized and will be submitted to NETC for review in May 2023). Activities under this task will be completed during the upcoming reporting period.
- Task 5 Final report – 0% complete: work on this task is not anticipated to start until May 2023.

M. PERCENT COMPLETION OF TOTAL PROJECT: 75 %

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

- Prepare for and participate in the June 22, 2023 technical committee meeting to review and discuss final NETC comments on the various project deliverables.
- Complete work on Task 3 best practices DQMP guidelines and control site selection tool for validating and verifying pavement performance metric data collection equipment. Also, completed drafts of remaining technology transfer tools and submit to NETC for review by May 2023.
- Complete updates to Task 4 draft project report, to include the final Task 3 and 4 outcomes, and submit to NETC for review by May 2023.
- Prepare and submit quarterly progress report covering the January 1 to March 31, 2023 timeframe.
- Prepare and submit monthly invoices for March, April, and May 2023.

O. FINANCIAL STATUS:

As of:	April 1, 2023
Total Project Budget:	<u>\$ 174,932</u>
Total Expenditures:	<u>\$ 131,186</u>