

**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:

October 1 to December 31, 2022

I. ACCOMPLISHMENTS THIS PERIOD:

- Prepared for and participated in the October 14, 2022 technical committee meeting to review and discuss the Task 3 guidelines and control site selection tool. Revisions to the guidelines and tool were made based on the meeting outcomes.
- Continued working on the Task 4 draft final report as well as the associated technology transfer material. The Task 3 guidelines and tool will be included as a standalone document to the draft report.
- Began preparations for the January 25, 2023 technical committee meeting to review and discuss the project team's progress and findings to date.

- Prepared and submitted quarterly progress report covering the period of July 1 to September 30, 2022.
- Prepared and submitted monthly invoices for October, November, and December 2022.

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 has begun work on the preparation of the remaining technology transfer tools – presentation, fact sheet, and poster. It is anticipated that work on the technology transfer tools will take on a greater focus during the upcoming reporting period.

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 – 80% complete (draft guidelines are being finalized by the project team and control site selection tool is being reviewed by NETC). Activities under this task will be completed during the upcoming reporting period.
- Task 4 Draft final report and technology transfer strategy and toolbox – 35% complete (draft report is being routinely updated and work on the technology transfer tools has started). Activities under this task will continue during the upcoming reporting period.
- Task 5 Final report – 0% complete: work on this task is not anticipated to start until April 2023.

M. PERCENT COMPLETION OF TOTAL PROJECT: 65 %

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. The first meeting for the coming quarter will take place on January 25, 2023.
- Continue working on Task 3 best practices DQMP guidelines and control site selection tool for validating and verifying pavement performance metric data collection equipment. Also, commence in earnest on the development of the technology transfer tools.
- Continue to update Task 4 draft project report to include the final Task 3 outcomes.
- Prepare and submit quarterly progress report covering the October 1 to December 31, 2022 timeframe.
- Prepare and submit monthly invoices for October, November, and December 2022.

O. FINANCIAL STATUS:

As of:	December 30, 2022
Total Project Budget:	<u>\$ 174,932</u>
Total Expenditures:	<u>\$ 100,071</u>