

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

A. PROJECT NUMBER AND TITLE:

NETC 18-2: Framework of Asphalt Balanced Mix Design (BMD) for New England Transportation Agencies

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

Professor Walaa Mogawer, PhD., PE, F.ASCE -University of Massachusetts Dartmouth

C. WEB SITE ADDRESS (If one exists):

<https://www.newenglandtransportationconsortium.org/research/netc-research-projects/netc-18-2/>

D. START DATE (Per NETC Agreement): 02/05/2019

E. END DATE (Per NETC Agreement): 12/31/20

F. ANTICIPATED COMPLETION DATE: 12/31/20

G. PROJECT OBJECTIVES:

The objective of this research project is to synthesize existing information and to develop recommendations for a rational BMD approach for use by New England transportation agencies. Gaps in testing and performance data will be identified through this project and an experimental plan for required future work will be developed.

H. REPORT PERIOD: *Quarter 3: July to September 2020*

I. ACCOMPLISHMENTS THIS PERIOD:

- 1. The technical memorandums for Tasks 3 and 4 were submitted to the representatives from the NETC state agencies for this project on September 7th, 2020.*
- 2. The research team hosted an internet-based meeting on Wednesday September 16th 2020 with representatives from the NETC state agencies for this project. The purpose of the meeting was to give a project status update. The progress on Task 3, Task 4, and Task 5 were discussed as related to the data that was provided from each state agency (Connecticut, Maine, and Vermont).*
- 3. At the conclusion of the update meeting, the NETC technical committee suggested that the final report for the project be compiled based on the data collection and analysis completed.*

J. PROBLEMS ENCOUNTERED (If any):

Due to delays in receiving the data for Task 3, the research team has been delayed in drafting the final report before the 90 days prior to the end of the project.

K. TECHNOLOGY TRANSFER ACTIVITIES: *n/a*

L. STATUS BY TASK:

Task Number	Description	Percent Complete
1	Identify typical pavement distresses in each of the New England states.	100%
2	Identify candidate performance tests for each identified common distress.	100%
3	Collect existing performance test data, available from recent state/regional projects, and related historical field performance data on the representative pavements.	100%
4	Analyze test and field performance data in order to develop preliminary recommendations for a BMD approach.	85%
5	Identify gaps in the test and performance data and develop an experimental plan for future research with the goal to further refine the development, validation, and implementation of a BMD approach for New England states.	85%

M. PERCENT COMPLETION OF TOTAL PROJECT: 90 %

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

- 1. Draft the final report and submit to the technical committee for comments.*

O. FINANCIAL STATUS:

As of: September 30th, 2020

Total Project Budget: \$ 127,499

Total Expenditures : \$ _____

Note: This report should not require more than 2-3 pages & should be e-mailed to the NETC Coordinator so as to arrive no later than three (3) working days after the end of each calendar quarter.