**NEW ENGLAND TRANSPORTATION CONSORTIUM**

[**RESEARCH PROBLEM STATEMENT**](https://www.newenglandtransportationconsortium.org/research/research-needs/)

**Due to** [netc@ctcandassociates.com](mailto:netc@ctcandassociates.com) **by January 25, 2019**

# PROBLEM TITLE

*A suggested title in as few words as possible.*

# RESEARCH PROBLEM STATEMENT

*A statement of the general problem or need. One or more paragraphs are sufficient.*

# RESEARCH OBJECTIVES

*A clear and specific statement of the objectives that are to be met by the research in order to adequately address the research problem.*

# COST ESTIMATE

*An estimate of the funds necessary to accomplish the objectives described in Section III.*

# RESEARCH PERIOD

*An estimate of the number of months necessary to complete the project, including preparation of a Draft Final Report and its review by the NETC project Technical Committee (90 days), and the preparation and printing of the Final Report.*

# URGENCY AND PAYOFF POTENTIAL

*A description of the urgency of the need for this research in relation to the transportation needs of the six New England States and, if possible, the potential for payoff in benefit/cost terms.*

# PRELIMINARY LITERATURE SEARCH

*To avoid duplicating research already published or in progress, the submitter of the Problem Statement will perform a brief literature search prior to submitting the Problem Statement. This literature search can be conducted using the Transportation Research Board's TRID database, available at* <https://trid.trb.org/>*. The TRID database contains information on completed research as well as research in progress.*

***Attach a brief summary (1-3 paragraphs)*** *of the results of this literature search to the Problem Statement. The summary should describe how the subject of this Problem Statement would differ from or add to existing studies.*

# RESEARCH KEY WORDS

*Provide a list of key words that can be used to conduct an additional search of the TRID database for related research. To the maximum extent possible, key words should be selected from the Transportation Research Thesaurus* (<http://trt.trb.org/>*).*

***TWO DOT ENDORSEMENTS ARE REQUIRED*** (To be signed by separate individuals.)

# ENDORSEMENT BY THE SPONSORING DOT (To be signed by the DOT representative to the NETC Advisory Committee through whom the Problem Statement is submitted.)

*By signing the endorsement, the DOT representative is certifying that:*

1. *The Problem Statement follows the required format.*
2. *The required literature search has been conducted.*
3. *The Problem Statement addresses a transportation issue of relevance to NETC*

*and does not duplicate another Problem Statement being submitted at this time.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name DOT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature Date

1. **ENDORSEMENT BY A SECOND EMPLOYEE OF THE SPONSORING DOT who agrees to chair the project’s technical advisory committee (TAC) if the Problem Statement is selected for funding.** (To be signed by a DOT staff person who has technical knowledge of the project topic and is committed to the research outcome.)

DOT Technical Endorsement*: I agree to chair the project’s Technical Advisory Committee if this Problem Statement is selected for funding by NETC.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name DOT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature Date

**NOTE: To expedite the processing of Research Problem Statements, NETC requires submittal by e-mail (**[netc@ctcandassociates.com](mailto:netc@ctcandassociates.com)**) by January 25, 2019.**