

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

**A. PROJECT NUMBER AND TITLE: NETC 13-3**

**B. PRINCIPAL INVESTIGATOR(s) & UNIVERSITY(s): Eshan V. Dave, University of New Hampshire**

**C. WEB SITE ADDRESS (If one exists):**

**D. START DATE (Per NETC Agreement): 3/27/2015**

**E. END DATE (Per NETC Agreement): 3/31/2016**

**F. ANTICIPATED COMPLETION DATE: 3/31/2016**

**G. PROJECT OBJECTIVES:**

- (1) Review of current QA process used by New England DOTs for precast and prestressed concrete elements (PCE/PSE).
- (2) Review of QA specifications for PCE/PSE.
- (3) On the basis of the review and through working with the technical review committee of the project, develop common acceptance standards for PCE/PSE to be used by NETC constituents.
- (4) Develop a cost-sharing mechanism to accompany the common acceptance standards.
- (5) Identify agencies and contractors to conduct pilot implementation of the common acceptance standards.
- (6) Develop a list of additional materials and services for which common acceptance standards might be beneficial and feasible.

**H. REPORT PERIOD: 1/1/2015 – 3/31/2015**

**I. ACCOMPLISHMENTS THIS PERIOD:**

During this past quarter good progress was made in this study. The researchers reviewed a number of specifications and QA process documents from various New England State DOTs as well as continued the literature review on the topic. The project kick-off meeting was held at University of New Hampshire on April 30<sup>th</sup>. The meeting aided in refining the research activities and also aided in making initial contact with the various DOT personnel involved with the study. The meeting also helped refine the interview questionnaire prepared by researchers.

Co-PI of the project is also involved in developing inspector training course for NETTCP for PCE/PSE. The pilot for this course was taught during this quarter and was attended by the student working on the project.

During this quarter the researchers visited three DOTs (NH, ME and RI) as part of the QA process reviews through interview of DOT engineers and QA inspectors. All interviews have already been transcribed and the information is being processed towards developing a common acceptance standard for PCE/PSE.

**J. PROBLEMS ENCOUNTERED (If any): None**

**K. TECHNOLOGY TRANSFER ACTIVITIES: None**

**L. STATUS BY TASK:**

**Task 1: State of the Practice Review:** A literature review on common acceptance standard is completed and is being converted into a write-up. The visit of DOTs for QA process review is completed for three agencies. The information from those visits is already processed and documented.

**Task 2: Development of Common Acceptance Standards for PCE/PSE:** Information from the literature review and the visits to three DOTs has allowed some preliminary formations of the framework for common acceptance standards. This process will continue with the additional visits to remaining DOTs as well as PCE/PSE fabricator.

**Task 3: Reporting and Technical Committee Meetings:** No progress to report.

**M. PERCENT COMPLETION OF TOTAL PROJECT:**   20   %

**N. ACTIVITIES PLANNED FOR NEXT QUARTER:**

- Interview with DOT engineers and QA inspectors for CT, MA and VT
- Visit of PCE/PSE facility and interview of fabricator(s) as well as New England PCI
- Development of draft common acceptance standards

**O. FINANCIAL STATUS:**

**As of:** 7/1/2015

**Total Project Budget:** \$ 100,000

**Total Expenditures:** \$ 91,354.90

**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.**