

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT - DECEMBER 2017**

A. PROJECT NUMBER AND TITLE: NETC 15-2: *“Using the new SHRP2 Naturalistic Driving Study Safety Databases to Examine Safety Concerns for Teens and Older Drivers”*

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

Principal Investigator: Siby Samuel Ph.D., University of Massachusetts Amherst

Co-Investigators: Michael Knodler Ph.D., & Song Gao Ph.D., University of Massachusetts Amherst

C. WEB SITE ADDRESS (If one exists): *http://www.ecs.umass.edu/hpl/*

D. START DATE (Per NETC Agreement): 01/01/2017

E. END DATE (Per NETC Agreement): 12/31/2018

F. ANTICIPATED COMPLETION DATE: 12/31/2018

If different from the END DATE in paragraph E., the reason must be given. It is the responsibility of the Principal Investigator to ensure that the project, including review of the draft report by the Project Technical Committee and the printing of the Final Report, is completed prior to the Agreement End Date. Costs incurred after the Agreement End Date cannot be reimbursed. Requests for extensions of the Agreement End Date must contain the reasons for the request and be submitted so as to arrive in the Coordinator’s office at least 90 days prior to the Agreement End Date.

G. PROJECT OBJECTIVES:

To examine SHRP2 NDS and identify primary concerns with older driver safety as older drivers navigate left turns at permissive and protected signalized intersections.

H. REPORT PERIOD:

October 1st to December 31st, 2017

I. ACCOMPLISHMENTS THIS PERIOD:

- We finalized the Data User License with VTTI for the SHRP2 data for our analysis, including the data security and management plan.
- We updated the list of the data fields of SHRP2 NDS that we were requesting from VTTI and finalized the list after VTTI’s feedback.
- As required by the Data User License, we designated a secure computer for storing and analyzing the SHRP2 data from VTTI.
- We reviewed the data dictionaries for SHRP2 data tables in preparation of receiving the SHRP2 data.
- We continued to develop strategies for analyzing the SHRP2 data when it arrives including the video data of crash, near-crash, and baseline events.

J. PROBLEMS ENCOUNTERED (If any): *If the project is behind schedule, a detailed description of why must be included in this quarterly report.*

The delivery of the SHRP2 data from VTTI has taken longer than initially anticipated when the study began. Our contract with VTTI, finalized in November, indicates that we will receive the full dataset of the SHRP2 NDS data we requested before the end of January 2018.

K. TECHNOLOGY TRANSFER ACTIVITIES: *List any reports, papers, presentations published/presented during the report period or anticipated for the next quarter.*

None yet.

L. STATUS BY TASK: *Show Work Task Number, description and % complete for each task including those completed, those underway, and those not started.*

- Task 1 complete
- Task 2, 30 percent complete

M. PERCENT COMPLETION OF TOTAL PROJECT:

Approximately 25% of the total project has been completed.

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

The following activities are planned for the next quarter: -

- Two additional meetings for next quarter will be scheduled.
- Acquire requested data from the SHRP2 database
- Conduct additional data mining and data reduction to the acquired data
- Perform initial data analyses on the naturalistic study data to address study objectives in Task 2.

O. FINANCIAL STATUS:

As of: December 31, 2017

Total Project Budget: \$ 150,000

Total Expenditures to date: \$ 105,000

Project expenses in this quarter, included:

Salary for Siby Samuel (PI), Tracy Zafian (Research Fellow), Ravi Agrawal (Ph.D. student), & Rajiv Nair (M.S. student).

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 fifteen (15) working days after the end of each calendar quarter.