

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT – MARCH 2018**

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 (PI): Michael Knodler, Ph.D., University of Massachusetts Amherst
Siby Samuel Ph.D., University of Massachusetts Amherst

Co-Investigator: Song Gao, Ph.D., University of Massachusetts Amherst

Previous PI: Siby Samuel, 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:

January 1st to March 31st, 2018

I. ACCOMPLISHMENTS THIS PERIOD:

- We received SHRP2 data tables and two batches of video data from VTTI in February.
- We conducted various queries on the received data.
- We set up a new secure location for review and scoring of the video data.
- We developed strategies and a scoring matrix for analyzing the videos.
- We began scoring videos and are on track to finish the initial scoring of all videos within the next few weeks.
- We held a conference call with the Technical Advisory Committee (TAC) on March 2nd, to update the TAC on our progress, and get feedback on our approach.
- We prepared updated IRB and DUL materials in response to TAC and VTTI feedback regarding additional staff working on the project and TAC member recommendations to revise the DUL to include TAC members on the DUL.

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, indicated that we would receive the full dataset of the SHRP2 NDS data we requested before the end of January 2018. We received data tables and one batch of video data in early February. We received the 2nd batch of video data (with videos that needed redaction) at the end of February.

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 50% of the total project has been completed.

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

The following activities are planned for the next quarter:

- At least two or three additional meetings will be scheduled with the Technical Advisory Committee.
- Completion of video scoring and data analysis of the SHRP2 data from VTTI.
- Preparation of a draft report of results of the analysis.

O. FINANCIAL STATUS:

As of: March 31, 2018

Total Project Budget: \$ 150,000

Total Expenditures to date: \$137,708

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.