

**NEW ENGLAND TRANSPORTATION CONSORTIUM
QUARTERLY PROJECT PROGRESS REPORT - APRIL 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 when navigating left turns at permissive and protected signalized intersections.

H. REPORT PERIOD:

January 1st to March 31st, 2017

I. ACCOMPLISHMENTS THIS PERIOD:

- Held Kickoff Meeting with Technical Committee.
- Completed the development of a comprehensive data plan to acquire relevant NDS data from the
 - SHRP2 and
 - RID databases
- Team has conducted preliminary querying of Insight database to identify the specific nature of the quantity and quality of data available for analyses.

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

No significant problems.

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

- The team plans to submit an abstract to the Tenth Naturalistic Data Symposium at VTTI.

- The team also hopes to submit a full paper to the Annual Transportation Research Board Annual Meeting (August 1st paper submission deadline).

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 (75% Complete). Task 1 focuses on the data implementation plan to be submitted to VTTI and Iowa State for acquiring the requisite SHRP2 and RID data from the respective institutions. We are currently discussing the specifics of our proposed plan with the respective institutions and hope to finalize the outcomes in the coming weeks.

M. PERCENT COMPLETION OF TOTAL PROJECT:

Approximately 10 % of the project may be deemed complete.

N. ACTIVITIES PLANNED FOR NEXT QUARTER:

The following activities are planned for the next quarter: -

- A meeting with the Technical Committee is scheduled for April 20th, Thursday at 1 pm.
- Two additional meetings for next quarter will be scheduled in mid-May and likely mid to late June 2017.
- Acquire requested data from the SHRP2 database
- Acquire corresponding data from the RID database
- Complete any additional Institutional Review Board requirements for compliance purposes.
- 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: March 31st, 2017

Total Project Budget: \$ 150,000

Total Expenditures: \$ 0

The award was set up in the University of Massachusetts Amherst accounting system towards the end of March 2017. While we do not have any current expenses invoiced, we anticipate project expenses to be invoiced starting April:

- Salary is anticipated to be drawn towards the PI (Siby Samuel's effort) and the time spent by Tracy Zafian (Research Fellow).
- Purchasing orders will likely be issued to acquire the data from SHRP2 and the RID databases.

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.