

Safety Data Update Number 8

Reminder of Request for Proposals:

Area: Safety Data Oversight and Implementation, Phase 1

Project Number: SD03

Project Title: SHRP 2 Naturalistic Driving Study Data Participant Disclosure Risk Assessment and Management Strategy for Public Use Datasets

Date Issued: July 14, 2015

The second Strategic Highway Research Program (SHRP 2) Naturalistic Driving Study (NDS) collected driver performance and in-vehicle data from over 3900 volunteer participants in 6 sites across the United States. The resulting Safety Database contains data for 5.5 million trips covering over 30 million miles. The goal of the first phase of data use (Phase 1) is to make this data widely available to qualified researchers.

Data collected during the study are *original data*, which include video, time-series data, other sensor data (alcohol sensor, audio records from activation of critical incident button), driver assessments, and crash investigations. These data are available for research use under a data license agreement designed to protect participant confidentiality; however, original data must be expunged no later than 30 or 40 years (depending on the data element) after data collection. Original data that has been processed to prevent the participants' identity from being disclosed are considered *de-identified data*. Common strategies for de-identifying datasets include deleting or masking personal identifiers, such as name and social security number or face photos, and suppressing or generalizing quasi-identifiers, such as date of birth and zip code.

In order to make NDS data more readily available to the research community, TRB is exploring the possibility of producing *Public Use Datasets* (PUDs) that have been both de-identified and cleansed of original data (to avoid having to track and destroy any original data). PUDs would be made publicly available to researchers via such means as posting on the Internet for download under an open source data license.

In order to ensure participant confidentiality is maintained, the SD03 contract statement of work is intended to engage an organization experienced in disclosure risk assessment of human subjects study data to assess the potential for SHRP 2 NDS participant's identity to be determined through use or manipulation of potential SHRP 2 PUDs, either stand-alone, in combination, or when fused with external sources of information.

A total of \$125,00 is available for this project. Proposals are due electronically to TRB by the close of business on August 11, 2015. Please forward the link to the RFP to other potential firms and institutions you believe may be interested in bidding. Current SHRP 2 Safety Data Phase 1 contractors are precluded from bidding in that TRB is interested in obtaining an independent look at the data.

For more information about this opportunity, see the SD03 Request for Proposals (RFP) at:

Or contact David Plazak at the Transportation Research Board Technical Activities
Division:

dplazak@nas.edu

Telephone: 202-334-1834