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### Research Participant Informed Consent Form

This informed consent form describes the procedures, what you can expect as a participant, and other important information that you should consider before volunteering to be in this research study.

Please read this consent form carefully and ask as many questions as you like before deciding if you want to participate.

**Project Title:** Battelle Driving Study

**Project No.:** 100107273

**Study Leader/ Principal Investigator:** Dr. Christian M. Richard

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#### Purpose of the Research Study

The objective of the study is to understand how driving education affects the behavior of drivers who recently received speeding tickets. The findings from this study will be used to develop programs to make American roads safer. This study is being conducted by Battelle for the National Highway Traffic Safety Administration (NHTSA). Dunlap and Associates, Inc. will help Battelle collect study data.

#### Procedures

If you agree to be in our study, we ask you to take part in the following activities:

- a. First visit (today)
  - Complete the screening questionnaire and qualify for the study
  - Voluntarily consent to be in our study and complete the consent form
  - Complete a contact information form
  - Complete a 25-minute driving questionnaire
  - Allow us to put a device in your vehicle to record its speed and location for about 60 days.
  - Agree in writing to allow our study team to obtain and review your driving record during the study and again, approximately one year after the study has ended.
    - There will be no cost to you. We will ask you to fill out NC DOT driver record request and authorization forms for each request.
  - We will pay you \$25.00 for your time and effort after today's visit if you complete all of the items above
- b. Second visit (about 30 days after start)
  - Drive your vehicle to the facility located in central Wake County.
  - Take a 1 to 2 hour-long driving education course. This will include a brief course-evaluation questionnaire.
  - Let us check that the recording device in your vehicle and conduct any required maintenance on the device
  - We will pay you \$75.00 for your time and effort after you complete the items above

- c. Final visit (about 60 days after start)
  - Drive your vehicle to the facility located in central Wake County
  - Complete a 25-minute driving questionnaire
  - Allow us to remove the recording device from your vehicle.
  - You will be paid \$100.00 for your time and effort if you complete all of the items above.

The Wake County Courthouse is helping us recruit possible drivers for our study. This is their only role in the study. Courthouse personnel will not know if you take part in the study and they will not have access to any information you share with us.

### **Risks and Benefits**

We believe that the potential risks to you from taking part in our study will be minimal.

The recording device will be mounted in a way that will not interfere with any part of your normal view of the roadway. The device will not affect the operating or handling characteristics of your vehicle in any way. Except for your two visits to the study facility, we will not ask you to change your daily driving routines in any way.

The recording device is a "Global Positioning System (GPS)" device that sends signals to orbiting satellites in order to determine a vehicle's position and speed. After the recording device is installed in your vehicle, the device will record your location, the time of day, and travel speed.

GPS data is potentially subject to subpoena by law enforcement officials. In the unlikely event that GPS data is subpoenaed for any reason, Battelle will have to comply with the subpoena.

You may personally benefit from the information presented in the traffic safety education course. You also will receive a total of \$200 for completion of the entire study.

### **Privacy and Data Confidentiality**

We have taken many steps to assure that your data will be kept confidential and secure:

- All electronic study data will be stored in secured, access-controlled computer servers at Battelle. Only staff with permission can access the data.
- We will separate your name and other information that could be used to identify you from all other the data you give us. The data you give us includes your questionnaire responses, recording device data, and driving record.
- We will assign a Study ID to the data you give us. The Study ID cannot be used to identify you.
- A code-key links your name to your Study ID. Only the research team has the code-key, and it will be stored in a secure location.
- Your name, identifying information, and the "code-key" will be kept for 3 years and then destroyed. After that, there is no way to associate your identity with your study data. Study data that cannot be associated with your identity will be kept indefinitely.

After removing your name and all identifying data, we will analyze everyone's data to develop reports and recommendations. We call this "de-identified" data. Battelle and NHTSA will have access to the de-identified data for research purposes.

### The recording device

The recording device will collect information about vehicle location, time of day, and travel speed while you drive.

- We will only use the location information to identify what type of road you are traveling on, such as a residential road or a highway.
- We will not keep any information about addresses, destinations, or specific driving routes.
- We will always delete the first and last 60 seconds of each driving trip so that we do not know your original starting point and final stopping location.

- We will remove the date of each trip and replace it with a number that represents the day in the study.

### Your driving records

With your permission, we will receive your driving history data from the State's Department of Motor Vehicles during the study, and again in about one year.

- We will remove your identifying information from the driving history data as soon as we receive it.
- We will use this data only for research purposes.
- Your participation in this study has no impact on your driver record or any other official records at the State, Federal, or local level.

This study has been reviewed and approved by the Battelle Institutional Review Board (IRB). The IRB assures that protections for human subject research are reasonable and adequate. It is possible that the Institutional Review Board (IRB) may view this study's data for auditing purposes.

### **Insurance**

To take part in this study, you will be required to provide proof of vehicle liability insurance at minimum.

Battelle will not be able to pay you for any expenses, vehicle damage, or injury that may occur while you are taking part in our study. Battelle will not be able to provide you with any medical treatment or financial compensation, except as provided through remedies available by law.

In the event of any accident that may damage Battelle's monitoring equipment, you will not be responsible for costs of replacement or repair. If the monitoring equipment is stolen or lost, we will ask you to provide a copy of a Police Report. Without a police report, you will not be eligible for payment for the final visit to the study facility.

### **Termination of the Research Study**

You are free to choose to participate in this research study. If you choose not to participate, you will not be penalized or lose any benefits to which you are otherwise entitled. You are free to end your participation at any time without penalty. If you choose to withdraw, please tell us. We will pay you for the tasks that you completed and remove the recording device.

The Principal Investigator can also end your participation for any reason; including, safety reasons, to maintain study integrity and validity, and/or if the study ends early.

### **Available Sources of Information**

Dr. Christian Richard, the Principal Investigator, can answer questions you have about this research study. Dr. Richard can be reached at (206) 528-3254 or richardc@battelle.org. If you have questions about your rights as a human subject, you may contact the Battelle Institutional Review Board, toll-free, at 1-877-810-9530.

### **Authorization**

I have read and understand this consent form. I understand that my participation in this research study is voluntary. I understand that I will receive a copy of this form. I voluntarily choose to participate. I understand that my consent does not take away any legal rights in the case of negligence or other legal fault of anyone who is involved in the study. I understand that nothing in this consent form is intended to preempt any applicable federal, state, or local laws regarding informed consent.

By signing this form, I understand that I meet the following criteria:

- I am 18 years of age or older
- I have a valid North Carolina driver license
- I drive at least 5,000 miles/year
- I am the sole owner of the vehicle that I will use for this study
- I have vehicle insurance appropriate for the state I reside in

- I have received at least one speeding-related citation within 12-month period

**Participant:**

\_\_\_\_\_  
**Name of Participant (Printed or Typed)**

\_\_\_\_\_  
**Signature of Participant**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Time**

**Researcher Obtaining Consent:**

I have discussed this research study, its objective, methods, associated risks, and benefits with the participant and have fully answered all questions to his / her satisfaction.

\_\_\_\_\_  
**Name of Researcher Obtaining Consent (print)**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Time (hh:mm) AM/PM**