



Attention Cyclists!

Research Study Opportunity



Would you like to participate in important research AND descend hills without having to climb?

We are seeking volunteer bicyclists for a research project this March! A study is being conducted to evaluate how variations in gaps between rumble strips* affect a bicyclist's ability to cross them when riding on roads with downhill grades. **A shuttle will take participants back to the top of the hill between descents.** Bicycling on downgrades of 7-8% or higher will occur during the test scenarios so a participant should be comfortable riding at higher than average bicycle speeds.

All participants will be asked to commit to one 4-hour study session in March 2014.

Weekend and weekday options are available. Research will occur near Almond, NC.

You must meet the following to be eligible to participate:

- Be 18 years of age or older
- Have a properly fitted helmet
- Be able to bring to a bicycle in good working condition to the test area
- Be in good physical health
- Not be pregnant
- Be capable of safely bicycling above 20 mph

All participants will be asked to:

- Answer basic questions about yourself and your bicycling habits.
- Ride at higher than average bicycle speeds on downgrades of 7-8%.
- Give feedback after each test run.
- Be available for the full 4-hour period.

To sign up, or to learn more about the study, contact Sarah O'Brien at skworth@ncsu.edu or (919) 515-8703

*Rumble strips are a type of pavement treatment used to alert motorists of potential danger through vibrations and noise when a vehicle drives over them. They are often used along a road's edge to prevent run-off-the-road crashes. Rumble strips can cause a safety concern for bicyclists attempting to cross them as doing so may cause discomfort or increase the possibility of falling or losing control of the bicycle. This is particularly true for cyclists who may be traveling downhill at higher than normal speeds.