### Research Question

What effect does the modality (auditory vs. visual) of in-vehicle alerts have on driver attention towards simultaneously occurring road hazards?

How can we use this data to improve driver safety?

### Methods

- 2 drives in a driving simulator
- One pair of hazards per drive
- Audio and Visual alert conditions
- Measurements include trust in system, hazard observance, and participant brake times

### Current Work

- Currently collecting data in the driving simulator at ASU Polytechnic
- Drives and hazards were designed and coded in the DriveSafety program

### Future Work

- Participant data will be recorded and analyzed to understand the attentional effects of in-vehicle alerts
- Results will help to improve the design of in-vehicle alert systems