

How to Conduct a Speed Study

Materials

NECESSARY

- Radar Gun
 - Here is an example of a <u>radar gun</u> (https://tinyurl.com/34zs79ds) Strong Towns provided to a member who successfully completed a speed study.
- Pen & Clipboard

OPTIONAL

Template for recording speed study data

Collection Goal

• The objective of conducting this speed study is to collect two hours' worth of data or 250 measurements in each direction, whichever comes first.

Tracking Process

- Use your radar gun to track the speeds that people are traveling at.
- List speeds on a piece of paper and then put a checkmark next to the speed people are driving upon measurement.
- Once you've reached your collection goal, add up the checks to see how many people were driving within each speed interval.
- Keep the raw data you have collected, as data points may be used to calculate 85th percentile speed.

Guidelines and Cautions

- Position yourself as inconspicuously as possible to ensure that your presence doesn't influence or alter the speed at which people are driving.
- Measure speeds in free-flow conditions. For example, in the event that three cars are bunched up, take the reading on the first car but not the other two.
- Conduct the study on a normal day. Do not conduct the study on a rainy day, a day when there is a detour in place, or on a day when other extenuating circumstances will impact traffic flow.
- Do not conduct the study during prime travel times for commuters. Strong Towns suggests performing the study at midday, or sometime between the hours of 9 a.m. and 3 p.m.



Sample Speed Study

• Below is an example speed study for your reference.

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