

TRAFFIC ENFORCEMENT AND SAFETY TEAM

Pedestrian Safety Enforcement Buffer Zone Measurements

30 mph:

Vehicle traveling:	44.1 fps
Two second Perception/Reaction distance:	88.2 ft.
Braking distance**:	50 ft.
Total Buffer Zone distance:	138.2 ft.

35 mph:

Vehicle traveling:	51.45 fps
Two second Perception/Reaction distance:	102.9 ft.
Braking distance**:	68.13 ft.
Total Buffer Zone distance:	171.03 ft.

40 mph:

Vehicle traveling:	58.8 fps
Two second Perception/Reaction distance:	117.6 ft.
Braking distance**:	89.2 ft.
Total Buffer Zone distance:	206.8 ft.

45 mph:

Vehicle traveling:	66.15 fps
Two second Perception/Reaction distance:	132.3 ft.
Braking distance**:	112.63 ft.
Total Buffer Zone distance:	244.93 ft.

* Speed distances are calculated using 1.47 fps per mph.

** Braking distances are slide to stop formulas using a .6 co-efficient of friction.
(Braking distances source: Reno Police Department Traffic Division.)