

Fairview and Rollins Speed Study

Purpose:

To collect and record speed data within the mini roundabout at Fairview Road and Rollins Road.

Procedure:

Using a radar unit to record speeds of vehicles within the mini roundabout at Fairview Road and Rollins Road. To obtain accurate speed data the recording location was near the downstream crosswalk to obtain a clear parallel view of the approaching vehicles (see figure 1). Speeds were recorded from 2:55 p.m. to 3:42 p.m., these times coincide with dismissal of Fairview elementary school which occurs at 3:20 p.m.

Figure 1



Results:

The speeds recorded show slower speeds within the mini roundabout. Over 140 records were recorded and operating speeds were below 25 mph within the roundabout. The summary of speeds can be shown in Table 1 below.

Table 1

Total		
Average Speed	85h Percentile	# of Records
13.66	16	146

Southbound		
Average Speed	85h Percentile	# of Records
13.48	16	91

Northbound		
Average Speed	85h Percentile	# of Records
13.62	16.2	53

Analysis:

When recording data the people were wearing appropriate safety clothing and were visible to approaching traffic. This could have a small effect on operating speeds within the roundabout. The operating speeds within the mini roundabout were appropriate with the design and posted speed limits in the area.

Conclusion & Discussion:

Speeds recorded during the dismissal of Fairview elementary school were appropriate. While the data could be shaded low even an addition of 2 mph would result in would still result in appropriate operating speeds within the mini roundabout.