

Bosworth Road, street lighting column 6, northbound vehicles, comparison of initial and terminal data sets

Two data sets were selected, from the first seven and last seven days of operation of the speed indicator device, to see whether the sign had influenced driver behavior.

These data sets are tabulated below, and show a reduction in 85th percentile speed from 45.8mph in the first week of operation to 45.1mph in the last week of operation. The average speed approaching the sign was also reduced from 36.6 to 34.0mph. These effects are small, and it is arguable whether they are of any practical significance.

It is perhaps worth noting that the highest speed recorded was in the final week of operation, after the sign had been in place for a month.

First seven days of operation

For Project: Bosworth Rd C6 Nbd
Report Generated: 25/10/2018 09:20:23
Speed Intervals = 5 mph
Time Intervals = 5 minutes

Traffic Report From 11/09/2018 09:00:00 through 17/09/2018 23:55:00

85th Percentile Speed = 45.8 mph
85th Percentile Vehicles = 5,211 counts
Max Speed = 80.0 mph on 12/09/2018 23:00:00
Total Vehicles = 6,131 counts
AADT: 925.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		964	875
AM peak	8:00 to 9:00	78	63
PM peak	4:00 to 5:00	119	98

Speed

Speed limit: 30 mph
85th Percentile Speed: 45.8 mph
Average Speed: 36.6 mph

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Count over limit	796	659	804	877	837	568	437
% over limit	86.0	84.3	80.8	80.9	80.7	76.4	77.5
Avg speeder	40.2	40.2	39.7	40.0	39.8	40.2	40.4

Last seven days of operation

For Project: Bosworth Rd C6 Nbd
Report Generated: 25/10/2018 09:30:45
Speed Intervals = 5 mph
Time Intervals = 5 minutes

Traffic Report from 08/10/2018 00:00:00 through 14/10/2018 23:55:00

85th Percentile Speed = 45.1 mph
85th Percentile Vehicles = 5,542 counts
Max Speed = 85.0 mph on 12/10/2018 20:00:00
Total Vehicles = 6,520 counts
AADT: 931.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,088	931
AM peak	8:00 to 9:00	103	79
PM peak	4:00 to 5:00	121	100

Speed

Speed limit: 30 mph
85th Percentile Speed: 45.1 mph
Average Speed: 34.0 mph

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	756	785	751	849	731	490	384
% over limit	84.2	79.0	77.1	82.6	47.2	78.8	84.6
Avg speeder	40.5	39.9	39.7	40.6	40.5	40.2	40.0