

**Nu-Metrics Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: Wells Twp  
 Street: Third St-700 N of SR7 Intrchnge**

A study of vehicle traffic was conducted with HI-STAR unit number 1238. The study was done in the NB lane on Third St-700 N of SR7 Intrchnge in Wells Twp, OH in Jefferson county. The study began on 08/04/2009 at 12:00 AM and concluded on 08/05/2009 at 12:00 AM, lasting a total of 24 hours. Data was recorded in 15 minute time periods. The total recorded volume of traffic showed 1,255 vehicles passed through the location with a peak volume of 39 on 08/04/2009 at 04:30 PM and a minimum volume of 0 on 08/04/2009 at 12:45 AM. The AADT Count for this study was 1,255.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to >
0	5	41	187	438	388	150	32	6	3	2	2	0	0	0

At least half of the vehicles were traveling in the 25 - 29 mph range or a lower speed. The average speed for all classified vehicles was 30 mph with 81.4 percent exceeding the posted speed of 25 mph. The HI-STAR found 0.32 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 25 mph and the 85th percentile was 35.23 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to >
1218	20	12	3	0	1	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,238 which represents 98.70 percent of the total classified vehicles. The number of Small Trucks in the study was 12 which represents 1.00 percent of the total classified vehicles. The number of Trucks/Buses in the study was 3 which represents 0.20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.10 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 08/04/2009 at 04:30 PM the average headway between the vehicles was 22.5 seconds. The slowest traffic period was on 08/04/2009 at 12:45 AM. During this slowest period, the average headway was 900.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 74 and 115 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.