

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Wells Twp
Street: Third St-850 S of SR7 Intrchnge**

A study of vehicle traffic was conducted with HI-STAR unit number 1243. The study was done in the SB lane on Third St-850 S 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 914 vehicles passed through the location with a peak volume of 79 on 08/04/2009 at 06:30 AM and a minimum volume of 0 on 08/04/2009 at 12:00 AM. The AADT Count for this study was 914.

SPEED

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

Chart 1

0	10	15	20	25	30	35	40	45	50	55	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	>
9	14	19	24	29	34	39	44	49	54	59	64	69	74	
0	0	18	42	95	159	246	204	90	35	14	3	2	2	2

At least half of the vehicles were traveling in the 35 - 39 mph range or a lower speed. The average speed for all classified vehicles was 38 mph with 93.4 percent exceeding the posted speed of 25 mph. The HI-STAR found 2.52 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 35 mph and the 85th percentile was 45.62 mph.

CLASSIFICATION

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

Chart 2

0	21	28	40	50	60	70	80
to	to	to	to	to	to	to	>
20	27	39	49	59	69	79	
818	56	10	9	8	10	0	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 874 which represents 95.80 percent of the total classified vehicles. The number of Small Trucks in the study was 10 which represents 1.10 percent of the total classified vehicles. The number of Trucks/Buses in the study was 9 which represents 1.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 19 which represents 2.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/04/2009 at 06:30 AM the average headway between the vehicles was 11.25 seconds. The slowest traffic period was on 08/04/2009 at 12:00 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 72 and 111 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.