

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Wells Twp
Street: Ramp-SB SR7 to Third St**

A study of vehicle traffic was conducted with HI-STAR unit number 4362. The study was done in the SB lane on Ramp-SB SR7 to Third St 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 926 vehicles passed through the location with a peak volume of 108 on 08/04/2009 at 06:30 AM and a minimum volume of 0 on 08/04/2009 at 12:30 AM. The AADT Count for this study was 926.

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	5	5	31	30	88	172	255	186	83	37	17	6	4	7

At least half of the vehicles were traveling in the 40 - 44 mph range or a lower speed. The average speed for all classified vehicles was 43 mph with 7.67 percent exceeding the posted speed of 55 mph. The HI-STAR found 7.67 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 40 mph and the 85th percentile was 50.91 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	
824	37	28	19	8	5	4	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 861 which represents 93.00 percent of the total classified vehicles. The number of Small Trucks in the study was 28 which represents 3.00 percent of the total classified vehicles. The number of Trucks/Buses in the study was 19 which represents 2.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 18 which represents 1.90 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 8.26 seconds. The slowest traffic period was on 08/04/2009 at 12:30 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 76 and 115 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.