

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Toronto
Street: CR46-500 W of SR7**

A study of vehicle traffic was conducted with HI-STAR unit number 1243. The study was done in the EB lane on CR46-500 W of SR7 in Toronto, OH in Jefferson county. The study began on 08/19/2009 at 12:00 AM and concluded on 08/20/2009 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 1,714 vehicles passed through the location with a peak volume of 43 on 08/19/2009 at 07:45 AM and a minimum volume of 0 on 08/19/2009 at 01:15 AM. The AADT Count for this study was 1,714.

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	7	15	51	203	499	571	265	79	10	6	3	0	0

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 40 mph with 21.1 percent exceeding the posted speed of 45 mph. The HI-STAR found 1.11 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 47.00 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	
1664	33	13	3	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,697 which represents 99.00 percent of the total classified vehicles. The number of Small Trucks in the study was 13 which represents 0.80 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 08/19/2009 at 07:45 AM the average headway between the vehicles was 20.45 seconds. The slowest traffic period was on 08/19/2009 at 01:15 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 97 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 97.92 percent of the time.