

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Toronto
Street: Franklin Ave-450 S of Trenton**

A study of vehicle traffic was conducted with HI-STAR unit number 1238. The study was done in the NB lane on Franklin Ave-450 S of Trenton 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 3,481 vehicles passed through the location with a peak volume of 84 on 08/19/2009 at 03:30 PM and a minimum volume of 0 on 08/19/2009 at 02:45 AM. The AADT Count for this study was 3,481.

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	21	163	883	1485	687	168	27	15	10	4	3	2	2	5

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 28 mph with 69.2 percent exceeding the posted speed of 25 mph. The HI-STAR found 0.46 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 32.92 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	
3410	37	25	3	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 3,447 which represents 99.20 percent of the total classified vehicles. The number of Small Trucks in the study was 25 which represents 0.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 3 which represents 0.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0.00 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/19/2009 at 03:30 PM the average headway between the vehicles was 10.59 seconds. The slowest traffic period was on 08/19/2009 at 02:45 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 78 and 103 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 87.50 percent of the time.