

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Aurora
Street: Station Blvd in 800 block**

15-00797

A study of vehicle traffic was conducted with HI-STAR unit number 2367. The study was done in the NB lane at Station Blvd in 800 block in Aurora, IL in DuPage county. The study began on Sep/15/15 at 11:00 and concluded on Sep/18/15 at 11:00, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1769 vehicles passed through the location with a peak volume of 36 on Sep/17/15 at [07:15-07:30] and a minimum volume of 0 on Sep/15/15 at [22:15-22:30]. The AADT count for this study was 590.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 27 MPH with 31.00% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.23 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 34.19 MPH.

<	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	to					
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>					
13	141	178	300	550	327	118	42	19	12	9	4	0	0	0					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it
Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1323 which represents 77 percent of the total classified vehicles. The number of Vans & Pickups in the study was 319 which represents 19 percent of the total classified vehicles. The number of Busses & Trucks in the study was 42 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 29 which represents 2 percent of the total classified vehicles.

<	18	24	28	32	38	44	62												
to	to	to	to	to	to	to	to												
17	23	27	31	37	43	61	>												
1323	319	31	11	10	5	10	4												

CHART 2

HEADWAY

During the peak traffic period, on Sep/17/15 at [07:15-07:30] the average headway between vehicles was 24.324 seconds. During the slowest traffic period, on Sep/15/15 at [22:15-22:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 66.00 and 109.00 degrees F.

15-00797

Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Aurora
Street: Station Blvd in 800 block

A study of vehicle traffic was conducted with HI-STAR unit number 2371. The study was done in the SB lane at Station Blvd in 800 block in Aurora, IL in DuPage county. The study began on Sep/15/15 at 11:00 and concluded on Sep/18/15 at 11:00, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2529 vehicles passed through the location with a peak volume of 81 on Sep/16/15 at [17:45-18:00] and a minimum volume of 0 on Sep/15/15 at [23:45-00:00]. The AADT count for this study was 843.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 25 - 30 MPH range or lower. The average speed for all classified vehicles was 29 MPH with 44.23% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.04 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 34.80 MPH.

< 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 >					
5	64	197	307	824	763	269	54	8	10	3	1	0	0	0					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it. Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1717 which represents 69 percent of the total classified vehicles. The number of Vans & Pickups in the study was 723 which represents 29 percent of the total classified vehicles. The number of Busses & Trucks in the study was 48 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 17 which represents 1 percent of the total classified vehicles.

< to 17	18 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to 61	62 to >												
1717	723	33	15	8	3	4	2												

CHART 2

HEADWAY

During the peak traffic period, on Sep/16/15 at [17:45-18:00] the average headway between vehicles was 10.976 seconds. During the slowest traffic period, on Sep/15/15 at [23:45-00:00] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 66.00 and 109.00 degrees F.