

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

A study of vehicle traffic was conducted with HI-STAR unit number 2153. The study was done in the NB lane at Station Blvd in Aurora, IL in Kane county. The study began on Mar/13/12 at 16:00 and concluded on Mar/17/12 at 08:00, lasting a total of 88.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2587 vehicles passed through the location with a peak volume of 22 on Mar/15/12 at [17:45-18:00] and a minimum volume of 0 on Mar/16/12 at [23:45-00:00]. The AADT count for this study was 706.

**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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 33 MPH with 67.71% 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 30MPH and the 85th percentile was 38.82 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 >					
0	5	51	160	616	896	605	172	51	16	4	0	1	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 1585 which represents 62 percent of the total classified vehicles. The number of Vans & Pickups in the study was 939 which represents 36 percent of the total classified vehicles. The number of Busses & Trucks in the study was 46 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 7 which represents 0 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 >												
1585	939	34	12	1	2	3	1												

CHART 2

**HEADWAY**

During the peak traffic period, on Mar/15/12 at [17:45-18:00] the average headway between vehicles was 39.13 seconds. During the slowest traffic period, on Mar/16/12 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 50.00 and 101.00 degrees F.