

**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 2366. The study was done in the SB 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 3909 vehicles passed through the location with a peak volume of 40 on Mar/14/12 at [17:15-17:30] and a minimum volume of 0 on Mar/14/12 at [01:30-01:45]. The AADT count for this study was 1,066.

**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 30 MPH with 49.68% vehicles exceeding the posted speed of 25 MPH. The HI-STAR found 0.21 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 35.25 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 >				
1	17	106	476	1358	1327	442	106	29	14	7	8	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 3023 which represents 78 percent of the total classified vehicles. The number of Vans & Pickups in the study was 796 which represents 20 percent of the total classified vehicles. The number of Busses & Trucks in the study was 52 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 20 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 >										
3023	796	40	12	8	4	8	0										

CHART 2

**HEADWAY**

During the peak traffic period, on Mar/14/12 at [17:15-17:30] the average headway between vehicles was 21.951 seconds. During the slowest traffic period, on Mar/14/12 at [01:30-01:45] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 48.00 and 101.00 degrees F.