

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Chester  
Street: US30-2000 W of High Acres Dr**

A study of vehicle traffic was conducted with HI-STAR unit number 1243. The study was done in the EBLL lane on US30-2000 W of High Acres Dr in Chester, WV in Hancock county. The study began on 07/22/2009 at 12:00 AM and concluded on 07/23/2009 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 1,348 vehicles passed through the location with a peak volume of 35 on 07/22/2009 at 02:30 PM and a minimum volume of 0 on 07/22/2009 at 02:00 AM. The AADT Count for this study was 1,348.

**SPEED**

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

**Chart 1**

0 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	2	4	7	2	12	24	96	333	411	287	110	44	12	4

At least half of the vehicles were traveling in the 50 - 54 mph range or a lower speed. The average speed for all classified vehicles was 52 mph with 33.9 percent exceeding the posted speed of 55 mph. The HI-STAR found 33.9 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 50 mph and the 85th percentile was 59.44 mph.

**CLASSIFICATION**

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

**Chart 2**

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to >
1280	41	13	1	2	9	1	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,321 which represents 98.00 percent of the total classified vehicles. The number of Small Trucks in the study was 13 which represents 1.00 percent of the total classified vehicles. The number of Trucks/Buses in the study was 1 which represents 0.10 percent of the total classified vehicles. The number of Tractor Trailers in the study was 13 which represents 1.00 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 07/22/2009 at 02:30 PM the average headway between the vehicles was 25.0 seconds. The slowest traffic period was on 07/22/2009 at 02:00 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 64 and 87 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.