

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Chester  
Street: Pyramus Rd-250 W of Johnsonville**

A study of vehicle traffic was conducted with HI-STAR unit number 8610. The study was done in the EB lane on Pyramus Rd-250 W of Johnsonville 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 316 vehicles passed through the location with a peak volume of 11 on 07/22/2009 at 11:45 AM and a minimum volume of 0 on 07/22/2009 at 12:15 AM. The AADT Count for this study was 316.

**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	34	1	34	160	67	0	15	1	1	0	1	0	0	0

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 27 mph with 0.96 percent exceeding the posted speed of 45 mph. The HI-STAR found 0.32 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 32.83 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 >
308	5	1	0	0	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 313 which represents 99.70 percent of the total classified vehicles. The number of Small Trucks in the study was 1 which represents 0.30 percent of the total classified vehicles. The number of Trucks/Buses in the study was 0 which represents 0.00 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 07/22/2009 at 11:45 AM the average headway between the vehicles was 75.0 seconds. The slowest traffic period was on 07/22/2009 at 12:15 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 68 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.