

**Nu-Metrics Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: Hancock Co  
 Street: SR2-725 S of CR208**

A study of vehicle traffic was conducted with HI-STAR unit number 4362. The study was done in the NBRL lane on SR2-725 S of CR208 in Hancock Co, WV in Hancock county. The study began on 07/29/2009 at 12:00 AM and concluded on 07/30/2009 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 618 vehicles passed through the location with a peak volume of 18 on 07/29/2009 at 11:15 AM and a minimum volume of 0 on 07/29/2009 at 02:00 AM. The AADT Count for this study was 618.

**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	0	1	5	13	35	75	160	160	107	40	15	5	0

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 50 mph with 78.8 percent exceeding the posted speed of 45 mph. The HI-STAR found 27.0 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 45 mph and the 85th percentile was 58.47 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 >
555	17	16	9	13	4	4	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 572 which represents 92.60 percent of the total classified vehicles. The number of Small Trucks in the study was 16 which represents 2.60 percent of the total classified vehicles. The number of Trucks/Buses in the study was 9 which represents 1.50 percent of the total classified vehicles. The number of Tractor Trailers in the study was 21 which represents 3.40 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 07/29/2009 at 11:15 AM the average headway between the vehicles was 47.37 seconds. The slowest traffic period was on 07/29/2009 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 74 and 83 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.