

**Nu-Metrics Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: Hancock Co  
 Street: SR2-2580 N of CR208**

A study of vehicle traffic was conducted with HI-STAR unit number 1242. The study was done in the SBRL lane on SR2-2580 N 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 3,553 vehicles passed through the location with a peak volume of 90 on 07/29/2009 at 12:00 PM and a minimum volume of 2 on 07/29/2009 at 12:15 AM. The AADT Count for this study was 3,553.

**SPEED**

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

**Chart 1**

0	10	15	20	25	30	35	40	45	50	55	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	>
9	14	19	24	29	34	39	44	49	54	59	64	69	74	
0	34	37	75	150	397	802	861	722	316	94	21	21	11	7

At least half of the vehicles were traveling in the 40 - 44 mph range or a lower speed. The average speed for all classified vehicles was 41 mph with 33.6 percent exceeding the posted speed of 45 mph. The HI-STAR found 4.34 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 40 mph and the 85th percentile was 49.57 mph.

**CLASSIFICATION**

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

**Chart 2**

0	21	28	40	50	60	70	80
to	to	to	to	to	to	to	>
20	27	39	49	59	69	79	
3425	49	34	14	18	4	3	1

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 3,474 which represents 97.90 percent of the total classified vehicles. The number of Small Trucks in the study was 34 which represents 1.00 percent of the total classified vehicles. The number of Trucks/Buses in the study was 14 which represents 0.40 percent of the total classified vehicles. The number of Tractor Trailers in the study was 26 which represents 0.70 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 07/29/2009 at 12:00 PM the average headway between the vehicles was 9.89 seconds. The slowest traffic period was on 07/29/2009 at 12:15 AM. During this slowest period, the average headway was 300.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 72 and 85 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.