

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Hancock Co
Street: US22-at Veterans Bridge**

A study of vehicle traffic was conducted with HI-STAR unit number 1238. The study was done in the EBLL lane on US22-at Veterans Bridge in Hancock Co, WV in Hancock county. The study began on 08/12/2009 at 12:00 AM and concluded on 08/13/2009 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 4,913 vehicles passed through the location with a peak volume of 114 on 08/12/2009 at 03:45 PM and a minimum volume of 0 on 08/12/2009 at 12:15 AM. The AADT Count for this study was 4,913.

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	28	22	9	7	17	26	41	90	233	719	1515	1413	653	135

At least half of the vehicles were traveling in the 60 - 64 mph range or a lower speed. The average speed for all classified vehicles was 63 mph with 75.7 percent exceeding the posted speed of 60 mph. The HI-STAR found 90.3 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 60 mph and the 85th percentile was 70.40 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	
4827	25	19	10	13	8	6	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 4,852 which represents 98.90 percent of the total classified vehicles. The number of Small Trucks in the study was 19 which represents 0.40 percent of the total classified vehicles. The number of Trucks/Buses in the study was 10 which represents 0.20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 27 which represents 0.60 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/12/2009 at 03:45 PM the average headway between the vehicles was 7.83 seconds. The slowest traffic period was on 08/12/2009 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 72 and 103 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.