

**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 1371. The study was done in the EBML 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 12,005 vehicles passed through the location with a peak volume of 222 on 08/12/2009 at 02:15 PM and a minimum volume of 12 on 08/12/2009 at 01:15 AM. The AADT Count for this study was 12,005.

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	50	32	14	15	14	27	83	302	1212	3071	3752	2422	809	200

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 61 mph with 59.8 percent exceeding the posted speed of 60 mph. The HI-STAR found 85.4 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 68.37 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	
10867	296	203	67	149	208	172	41

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 11,163 which represents 93.00 percent of the total classified vehicles. The number of Small Trucks in the study was 203 which represents 1.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 67 which represents 0.60 percent of the total classified vehicles. The number of Tractor Trailers in the study was 570 which represents 4.70 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 08/12/2009 at 02:15 PM the average headway between the vehicles was 4.04 seconds. The slowest traffic period was on 08/12/2009 at 01:15 AM. During this slowest period, the average headway was 69.23 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 74 and 101 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.