

**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 4363. The study was done in the WBML 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 10,624 vehicles passed through the location with a peak volume of 223 on 08/12/2009 at 03:00 PM and a minimum volume of 11 on 08/12/2009 at 02:15 AM. The AADT Count for this study was 10,624.

**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	51	44	17	21	30	44	91	370	1259	2943	3221	1741	660	126

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 60 mph with 54.1 percent exceeding the posted speed of 60 mph. The HI-STAR found 81.8 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 67.68 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	
9600	280	171	80	175	204	97	11

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 9,880 which represents 93.00 percent of the total classified vehicles. The number of Small Trucks in the study was 171 which represents 1.60 percent of the total classified vehicles. The number of Trucks/Buses in the study was 80 which represents 0.80 percent of the total classified vehicles. The number of Tractor Trailers in the study was 487 which represents 4.60 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 08/12/2009 at 03:00 PM the average headway between the vehicles was 4.02 seconds. The slowest traffic period was on 08/12/2009 at 02:15 AM. During this slowest period, the average headway was 75.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 72 and 99 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.