

**Nu-Metrics Traffic Analyzer Study  
Computer Generated Summary Report  
City: Hancock Co  
Street: US30-at PA State Line**

A study of vehicle traffic was conducted with HI-STAR unit number 8610. The study was done in the EB lane on US30-at PA State Line in Hancock Co, WV in Hancock county. The study began on 07/15/2009 at 12:00 AM and concluded on 07/16/2009 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 4,436 vehicles passed through the location with a peak volume of 118 on 07/15/2009 at 06:15 AM and a minimum volume of 3 on 07/15/2009 at 01:30 AM. The AADT Count for this study was 4,436.

**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	947	53	595	410	295	740	58	562	273	494	4	1	0	1

At least half of the vehicles were traveling in the 30 - 34 mph range or a lower speed. The average speed for all classified vehicles was 33 mph with 11.2 percent exceeding the posted speed of 55 mph. The HI-STAR found 11.2 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 10 mph and the 85th percentile was 51.98 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	
4222	57	72	38	22	13	5	4

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 4,279 which represents 96.50 percent of the total classified vehicles. The number of Small Trucks in the study was 72 which represents 1.60 percent of the total classified vehicles. The number of Trucks/Buses in the study was 38 which represents 0.90 percent of the total classified vehicles. The number of Tractor Trailers in the study was 44 which represents 1.00 percent of the total classified vehicles.

**HEADWAY**

During the peak time period, on 07/15/2009 at 06:15 AM the average headway between the vehicles was 7.56 seconds. The slowest traffic period was on 07/15/2009 at 01:30 AM. During this slowest period, the average headway was 225.0 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 72 and 119 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.