

**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 8718. The study was done in the WB 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 4,410 vehicles passed through the location with a peak volume of 125 on 07/15/2009 at 04:00 PM and a minimum volume of 2 on 07/15/2009 at 02:30 AM. The AADT Count for this study was 4,410.

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	
2	0	8	9	31	109	412	1203	1627	808	147	33	13	1	3

At least half of the vehicles were traveling in the 45 - 49 mph range or a lower speed. The average speed for all classified vehicles was 46 mph with 4.47 percent exceeding the posted speed of 55 mph. The HI-STAR found 4.47 percent of the total vehicles were traveling in excess of 55 mph. The mode speed for this traffic study was 45 mph and the 85th percentile was 52.13 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	
3897	22	163	163	68	59	22	12

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 3,919 which represents 88.90 percent of the total classified vehicles. The number of Small Trucks in the study was 163 which represents 3.70 percent of the total classified vehicles. The number of Trucks/Buses in the study was 163 which represents 3.70 percent of the total classified vehicles. The number of Tractor Trailers in the study was 161 which represents 3.70 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/15/2009 at 04:00 PM the average headway between the vehicles was 7.14 seconds. The slowest traffic period was on 07/15/2009 at 02:30 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 121 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.