Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report
City: Newell
Street: SR2-500 N of Congo Rd

A study of vehicle traffic was conducted with HI-STAR unit number 1371. The study was done in the SB lane on SR2-500 N of Congo Rd in Newell, WV in Hancock county. The study began on 07/22/2009 at 12:00 AM and concluded on 07/23/2009 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 5,504 vehicles passed through the location with a peak volume of 134 on 07/22/2009 at 01:15 PM and a minimum volume of 3 on 07/22/2009 at 04:00 AM. The AADT Count for this study was 5,504.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 >
0	20	26	84	179	266	532	1314	1679	973	292	83	28	16	8

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 45 mph with 89.5 percent exceeding the posted speed of 35 mph. The HI-STAR found 7.76 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 52.95 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
4995	221	103	38	51	62	14	16

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 5,216 which represents 94.80 percent of the total classified vehicles. The number of Small Trucks in the study was 103 which represents 1.90 percent of the total classified vehicles. The number of Trucks/Buses in the study was 38 which represents 0.70 percent of the total classified vehicles. The number of Tractor Trailers in the study was 143 which represents 2.60 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 07/22/2009 at 01:15 PM the average headway between the vehicles was 6.67 seconds. The slowest traffic period was on 07/22/2009 at 04:00 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 70 and 95 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.