

**Nu-Metrics Traffic Analyzer Study
Computer Generated Summary Report**

City:

Street: Old Brook

Location: 0.44 Mi N of Rio

A study of vehicle traffic was conducted with HI-STAR unit number 0084. The study was done in the NB and SB lane at Old Brook in , Va in Albemarle county. The study began on Jun/23/15 at 12:00 PM and concluded on Jun/24/15 at 12:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2150 vehicles passed through the location with a peak volume of 70 on Jun/23/15 at [17:00-17:15] and a minimum volume of 0 on Jun/24/15 at [00:15-00:30]. The AADT count for this study was 2,150.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin. At least half the vehicles were traveling in the 30 - 35 MPH range or lower. The average speed for all classified vehicles was 33 MPH with 34.74% vehicles exceeding the posted speed of 30 MPH. The HI-STAR found 0.66 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 30MPH and the 85th percentile was 39.00 MPH.

< 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 to >					
4	17	47	133	392	788	521	122	43	19	16	8	6	0	0					

CHART 1

CLASSIFICATION

Chart 2 lists the values of the classification bins and the total traffic volume accumulated for each bin. Problem with the battery detected. Try discharging and fully charging it

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 1474 which represents 70 percent of the total classified vehicles. The number of Pickups and Single Unit Trucks in the study was 585 which represents 28 percent of the total classified vehicles. The number of Busses in the study was 42 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 15 which represents 1 percent of the total classified vehicles.

< to 17	18 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to 61	62 to >												
1474	514	71	15	16	11	14	1												

CHART 2

HEADWAY

During the peak traffic period, on Jun/23/15 at [17:00-17:15] the average headway between vehicles was 12.676 seconds. During the slowest traffic period, on Jun/24/15 at [00:15-00:30] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 82.00 and 144.00 degrees F.