

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

City:

Street: Niorthfield Rd

Location: 1.53 Mi N of Rio

A study of vehicle traffic was conducted with HI-STAR unit number 4662. The study was done in the NB and SB lane at Niorthfield Rd 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 1154 vehicles passed through the location with a peak volume of 36 on Jun/23/15 at [17:00-17:15] and a minimum volume of 0 on Jun/23/15 at [22:45-23:00]. The AADT count for this study was 1,154.

**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 35 - 40 MPH range or lower. The average speed for all classified vehicles was 36 MPH with 58.37% vehicles exceeding the posted speed of 30 MPH. The HI-STAR found 0.44 percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 35MPH and the 85th percentile was 42.99 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 >					
2	8	49	54	88	274	379	192	65	20	5	4	1	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 799 which represents 70 percent of the total classified vehicles. The number of Pickups and Single Unit Trucks in the study was 331 which represents 29 percent of the total classified vehicles. The number of Busses in the study was 9 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 2 which represents 0 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 >												
799	321	10	3	3	3	2	0												

CHART 2

**HEADWAY**

During the peak traffic period, on Jun/23/15 at [17:00-17:15] the average headway between vehicles was 24.324 seconds. During the slowest traffic period, on Jun/23/15 at [22:45-23:00] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 83.00 and 146.00 degrees F.