

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Irvington
Street: Irvington Road
Location: 37.660936, -76.419423

A study of vehicle traffic was conducted with the device having serial number 406705. The study was done in the Combined lane at Irvington Road in Irvington, Va in Lancaster county. The study began on 07/15/2021 at 12:00 PM and concluded on 07/20/2021 at 12:00 PM, lasting a total of 120.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 15,163 vehicles passed through the location with a peak volume of 89 on 07/16/2021 at [12:45 PM-01:00 PM] and a minimum volume of 0 on 07/16/2021 at [01:45 AM-02:00 AM]. The AADT count for this study was 3,033.

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 25 - 30 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 77.17% vehicles exceeding the posted speed of 25 MPH. 0.46% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 25MPH and the 85th percentile was 32.95 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 >
16	102	396	2928	7312	3492	593	102	45	22	21	14	7	9	19

CHART 1

CLASSIFICATION

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

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 8156 which represents 54 percent of the total classified vehicles. The number of Vans & Pickups in the study was 6106 which represents 40 percent of the total classified vehicles. The number of Busses & Trucks in the study was 378 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 436 which represents 3 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to 27	28 to 31	32 to 37	38 to 43	44 to >							
8156	5612	494	69	183	202	178	184							

CHART 2

HEADWAY

During the peak traffic period, on 07/16/2021 at [12:45 PM-01:00 PM] the average headway between vehicles was 10 seconds. During the slowest traffic period, on 07/16/2021 at [01:45 AM-02:00 AM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 81.00 and 144.00 degrees F.