

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Kirkwood
Street: WB Longview
Location: West of East Essex

A study of vehicle traffic was conducted with the device having serial number 406895. The study was done in the W/B lane at WB Longview in Kirkwood, MO in St Louis county. The study began on 09/20/2021 at 04:00 PM and concluded on 09/27/2021 at 04:00 PM, lasting a total of 168.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 5,481 vehicles passed through the location with a peak volume of 67 on 09/24/2021 at [07:15 AM-07:30 AM] and a minimum volume of 0 on 09/20/2021 at [09:45 PM-10:00 PM]. The AADT count for this study was 783.

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 20 - 25 MPH range or lower. The average speed for all classified vehicles was 21 MPH with 14.68% vehicles exceeding the posted speed of 25 MPH. 0.00% percent of the total vehicles were traveling in excess of 55 MPH. The mode speed for this traffic study was 20MPH and the 85th percentile was 24.97 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 >
15	264	1605	2788	755	44	3	1	0	1	0	0	0	0	0

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 3921 which represents 72 percent of the total classified vehicles. The number of Vans & Pickups in the study was 1464 which represents 27 percent of the total classified vehicles. The number of Busses & Trucks in the study was 49 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 42 which represents 1 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 >							
3921	1415	49	10	16	35	18	12							

CHART 2

HEADWAY

During the peak traffic period, on 09/24/2021 at [07:15 AM-07:30 AM] the average headway between vehicles was 13.235 seconds. During the slowest traffic period, on 09/20/2021 at [09:45 PM-10:00 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 55.00 and 129.00 degrees F.