

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

A study of vehicle traffic was conducted with the device having serial number 403950. The study was done in the W/B lane at WB Longview in Kirkwood, MO in St Louis county. The study began on 09/30/2021 at 04:00 PM and concluded on 10/07/2021 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 5,392 vehicles passed through the location with a peak volume of 61 on 10/06/2021 at [07:15 AM-07:30 AM] and a minimum volume of 0 on 09/30/2021 at [11:00 PM-11:15 PM]. The AADT count for this study was 770.

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 23 MPH with 25.39% vehicles exceeding the posted speed of 25 MPH. 0.09% 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 27.34 MPH.

<	10	15	20	25	30	35	40	45	50	55	60	65	70	75
to	to	to	to	to	to	to	to	to	to	to	to	to	to	to
9	14	19	24	29	34	39	44	49	54	59	64	69	74	>
9	119	935	2956	1193	153	15	0	2	0	0	2	0	1	2

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 2759 which represents 51 percent of the total classified vehicles. The number of Vans & Pickups in the study was 2526 which represents 47 percent of the total classified vehicles. The number of Busses & Trucks in the study was 44 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 57 which represents 1 percent of the total classified vehicles.

<	18	21	24	28	32	38	44							
to	to	to	to	to	to	to	to							
17	20	23	27	31	37	43	>							
2759	2378	148	18	20	15	30	19							

CHART 2

HEADWAY

During the peak traffic period, on 10/06/2021 at [07:15 AM-07:30 AM] the average headway between vehicles was 14.516 seconds. During the slowest traffic period, on 09/30/2021 at [11:00 PM-11:15 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 61.00 and 120.00 degrees F.