

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 403954. The study was done in the W/B lane at WB Longview in Kirkwood, MO in St Louis county. The study began on 09/13/2021 at 04:00 PM and concluded on 09/20/2021 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 5,971 vehicles passed through the location with a peak volume of 74 on 09/20/2021 at [02:30 PM-02:45 PM] and a minimum volume of 0 on 09/13/2021 at [10:00 PM-10:15 PM]. The AADT count for this study was 853.

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 72.33% vehicles exceeding the posted speed of 25 MPH. 1.47% 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 33.07 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 >
8	38	218	1331	2590	1164	211	68	33	19	15	12	13	8	37

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 Vans & Pickups. The number of Passenger Vehicles in the study was 2024 which represents 35 percent of the total classified vehicles. The number of Vans & Pickups in the study was 3342 which represents 58 percent of the total classified vehicles. The number of Busses & Trucks in the study was 268 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 129 which represents 2 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 >							
2024	2808	534	75	138	78	45	63							

CHART 2

HEADWAY

During the peak traffic period, on 09/20/2021 at [02:30 PM-02:45 PM] the average headway between vehicles was 12 seconds. During the slowest traffic period, on 09/13/2021 at [10:00 PM-10:15 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 66.00 and 138.00 degrees F.