

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Broken Arrow
Street: E Dover St
Location: Between 11th and 13th

A study of vehicle traffic was conducted with the device having serial number 404873. The study was done in the WB lane at E Dover St in Broken Arrow, Ok in Tulsa county. The study began on 08/21/2025 at 10:00 AM and concluded on 08/22/2025 at 10:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 198 vehicles passed through the location with a peak volume of 11 on 08/22/2025 at [07:30 AM-07:45 AM] and a minimum volume of 0 on 08/21/2025 at [01:00 PM-01:15 PM]. The AADT count for this study was 198.

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 27 MPH with 55.08% vehicles exceeding the posted speed of 25 MPH. 1.60% 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 33.48 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 >
1	6	21	56	58	23	13	5	0	1	1	1	1	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 102 which represents 55 percent of the total classified vehicles. The number of Vans & Pickups in the study was 66 which represents 35 percent of the total classified vehicles. The number of Busses & Trucks in the study was 9 which represents 5 percent of the total classified vehicles. The number of Tractor Trailers in the study was 10 which represents 5 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 >							
102	58	8	1	5	3	1	9							

CHART 2

HEADWAY

During the peak traffic period, on 08/22/2025 at [07:30 AM-07:45 AM] the average headway between vehicles was 75 seconds. During the slowest traffic period, on 08/21/2025 at [01:00 PM-01:15 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 81.00 and 142.00 degrees F.

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Broken Arrow
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Location: Between 11th and 13th

A study of vehicle traffic was conducted with the device having serial number 407674. The study was done in the EB lane at E Dover St in Broken Arrow, Ok in Tulsa county. The study began on 08/21/2025 at 10:00 AM and concluded on 08/22/2025 at 10:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 308 vehicles passed through the location with a peak volume of 11 on 08/21/2025 at [05:30 PM-05:45 PM] and a minimum volume of 0 on 08/21/2025 at [10:15 PM-10:30 PM]. The AADT count for this study was 308.

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 22 MPH with 19.59% vehicles exceeding the posted speed of 25 MPH. 0.68% 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 26.48 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 >
5	13	50	170	44	10	1	1	0	0	1	0	0	0	1

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 194 which represents 66 percent of the total classified vehicles. The number of Vans & Pickups in the study was 83 which represents 28 percent of the total classified vehicles. The number of Busses & Trucks in the study was 8 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 11 which represents 4 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 >							
194	73	10	3	0	6	5	5							

CHART 2

HEADWAY

During the peak traffic period, on 08/21/2025 at [05:30 PM-05:45 PM] the average headway between vehicles was 75 seconds. During the slowest traffic period, on 08/21/2025 at [10:15 PM-10:30 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 82.00 and 145.00 degrees F.