

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Broken Arrow
Street: W. Boston St.
Location: Between S. Redwood Ave & S. Redwood Pl.

A study of vehicle traffic was conducted with the device having serial number 407525. The study was done in the EB lane at W. Boston St. in Broken Arrow, OK in Tulsa county. The study began on 10/22/2024 at 11:00 AM and concluded on 10/25/2024 at 11:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 2,042 vehicles passed through the location with a peak volume of 31 on 10/23/2024 at [07:30 AM-07:45 AM] and a minimum volume of 0 on 10/22/2024 at [09:30 PM-09:45 PM]. The AADT count for this study was 681.

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 30 - 35 MPH range or lower. The average speed for all classified vehicles was 28 MPH with 73.48% 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 30MPH and the 85th percentile was 34.70 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 >
4	36	192	273	568	580	196	55	0	0	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 1829 which represents 96 percent of the total classified vehicles. The number of Vans & Pickups in the study was 58 which represents 3 percent of the total classified vehicles. The number of Busses & Trucks in the study was 17 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to >											
1116	653	60	75											

CHART 2

HEADWAY

During the peak traffic period, on 10/23/2024 at [07:30 AM-07:45 AM] the average headway between vehicles was 28.125 seconds. During the slowest traffic period, on 10/22/2024 at [09:30 PM-09:45 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 64.00 and 117.00 degrees F.

MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Broken Arrow
Street: W. Boston St.
Location: Between S. Redwood Ave. & S. Redwood Pl.

A study of vehicle traffic was conducted with the device having serial number 404871. The study was done in the WB lane at W. Boston St. in Broken Arrow, OK in Tulsa county. The study began on 10/22/2024 at 11:00 AM and concluded on 10/25/2024 at 11:00 AM, lasting a total of 72.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 1,798 vehicles passed through the location with a peak volume of 30 on 10/22/2024 at [05:15 PM-05:30 PM] and a minimum volume of 0 on 10/22/2024 at [11:30 PM-11:45 PM]. The AADT count for this study was 599.

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 72.62% 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 25MPH and the 85th percentile was 33.17 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	17	80	353	731	342	94	29	0	0	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 1580 which represents 96 percent of the total classified vehicles. The number of Vans & Pickups in the study was 48 which represents 3 percent of the total classified vehicles. The number of Busses & Trucks in the study was 19 which represents 1 percent of the total classified vehicles. The number of Tractor Trailers in the study was 0 which represents 0 percent of the total classified vehicles.

< to 17	18 to 20	21 to 23	24 to >											
985	543	52	67											

CHART 2

HEADWAY

During the peak traffic period, on 10/22/2024 at [05:15 PM-05:30 PM] the average headway between vehicles was 29.032 seconds. During the slowest traffic period, on 10/22/2024 at [11:30 PM-11:45 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 64.00 and 113.00 degrees F.