

TRAFFIC STUDY SUMMARY

Elm St northbound North of Park Ave E

A traffic study was conducted in the Northbound lane of Elm St in London, OH in Madison County. The study began on 04/06/2017 at 12:00 AM and concluded on 04/13/2017 at 12:00 AM, lasting a total of 168.00 hours. Traffic statistics were recorded in 30 minute time periods. The total recorded volume showed 13,817 vehicles passed through the location with a peak volume of 182 on 04/06/2017 at [07:00 AM-07:30 AM] and a minimum volume of 0 on 04/06/2017 at [02:30 AM-03:00 AM]. The AADT count for this study was 1,974.at [03:00 PM-03:30 PM] and a minimum volume of 0 on 04/10/2017 at [03:30 AM-04:00 AM]. The average annual daily count for this study was 1,974.

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 34 MPH with 47.06% vehicles exceeding the posted speed of 35 MPH. 1.28% 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 39.93 MPH.

	10	15	20	25	30	35	40	45	50	55	60	70	80	90
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	69	79	89	>
466	87	125	408	1464	4693	4390	1435	346	92	57	50	31	18	19

CHART 1

CLASSIFICATION

Most of the vehicles classified during the study were Passenger Vehicles. The number of Passenger Vehicles in the study was 7867 which represents 58 percent of the total classified vehicles. The number of Pickups/Van in the study was 3758 which represents 28 percent of the total classified vehicles. The number of Small Trucks/Buses in the study was 1826 which represents 13 percent of the total classified vehicles. The number of Tractor Trailers in the study was 162 which represents 1 percent of the total classified vehicles.

During the peak traffic period, on 04/06/2017 at [07:00 AM-07:30 AM] the average headway between vehicles was 9.836 seconds. During the slowest traffic period, on 04/06/2017 at [02:30 AM-03:00 AM] the average headway between vehicles was 1800 seconds.

