

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Town of Pelham
Street: Pelham Street
Location: 1616 Pelham Street**

A study of vehicle traffic was conducted with the device having serial number 400369. The study was done in the North Bound lane at Pelham Street in Town of Pelham, On in Niagara Region county. The study began on 10/29/2020 at 02:00 PM and concluded on 10/30/2020 at 02:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 535 vehicles passed through the location with a peak volume of 20 on 10/29/2020 at [03:15 PM-03:30 PM] and a minimum volume of 0 on 10/29/2020 at [09:15 PM-09:30 PM]. The AADT count for this study was 535.

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 50 - 60 KPH range or lower. The average speed for all classified vehicles was 56 KPH with 80.75% vehicles exceeding the posted speed of 50 KPH. 2.45% percent of the total vehicles were traveling in excess of 89 KPH. The mode speed for this traffic study was 50KPH and the 85th percentile was 68.06 KPH.

< to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to >							
37	65	244	129	42	7	4	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 Vans & Pickups. The number of Passenger Vehicles in the study was 159 which represents 30 percent of the total classified vehicles. The number of Vans & Pickups in the study was 334 which represents 63 percent of the total classified vehicles. The number of Busses & Trucks in the study was 20 which represents 4 percent of the total classified vehicles. The number of Tractor Trailers in the study was 17 which represents 3 percent of the total classified vehicles.

< to 4.9	5.0 to 7.9	8.0 to 9.9	10.0 to 12.9	13.0 to 15.9	16.0 to 18.9	19.0 to 24.9	25.0 to >							
109	391	11	9	8	2	0	0							

CHART 2

HEADWAY

During the peak traffic period, on 10/29/2020 at [03:15 PM-03:30 PM] the average headway between vehicles was 42.857 seconds. During the slowest traffic period, on 10/29/2020 at [09:15 PM-09:30 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 5.00 and 12.00 degrees C.

**MH Corbin Traffic Analyzer Study
Computer Generated Summary Report
City: Town of Pelham
Street: Pelham Street
Location: 1616 Pelham Street**

A study of vehicle traffic was conducted with the device having serial number 400680. The study was done in the South Bound lane at Pelham Street in Town of Pelham, On in Niagara Region county. The study began on 10/29/2020 at 02:00 PM and concluded on 10/30/2020 at 02:00 PM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 591 vehicles passed through the location with a peak volume of 23 on 10/29/2020 at [03:45 PM-04:00 PM] and a minimum volume of 0 on 10/29/2020 at [07:45 PM-08:00 PM]. The AADT count for this study was 591.

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 50 - 60 KPH range or lower. The average speed for all classified vehicles was 51 KPH with 65.06% vehicles exceeding the posted speed of 50 KPH. 1.38% percent of the total vehicles were traveling in excess of 89 KPH. The mode speed for this traffic study was 50KPH and the 85th percentile was 61.43 KPH.

< to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to >							
57	146	279	77	14	4	1	3							

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 313 which represents 54 percent of the total classified vehicles. The number of Vans & Pickups in the study was 244 which represents 42 percent of the total classified vehicles. The number of Busses & Trucks in the study was 15 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 9 which represents 2 percent of the total classified vehicles.

< to 4.9	5.0 to 7.9	8.0 to 9.9	10.0 to 12.9	13.0 to 15.9	16.0 to 18.9	19.0 to 24.9	25.0 to >							
236	324	8	9	3	0	1	0							

CHART 2

HEADWAY

During the peak traffic period, on 10/29/2020 at [03:45 PM-04:00 PM] the average headway between vehicles was 37.5 seconds. During the slowest traffic period, on 10/29/2020 at [07:45 PM-08:00 PM] the average headway between vehicles was 900 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 5.00 and 12.00 degrees C.