

**MH Corbin Traffic Analyzer Study**  
**Computer Generated Summary Report**  
**City: City of Thorold**  
**Street: 68 Canby St - EB**  
**Location: 1**

A study of vehicle traffic was conducted with the device having serial number 407420. The study was done in the EB lane at 68 Canby St - EB in City of Thorold, ON in county. The study began on 2023-07-19 at 12:00 AM and concluded on 2023-07-20 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 661 vehicles passed through the location with a peak volume of 21 on 2023-07-19 at [04:45 PM-05:00 PM] and a minimum volume of 0 on 2023-07-19 at [10:15 PM-10:30 PM]. The AADT count for this study was 661.

**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 KM/H range or lower. The average speed for all classified vehicles was 60 KM/H with 85.19% vehicles exceeding the posted speed of 50 KM/H. 3.97% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 50KM/H and the 85th percentile was 70.14 KM/H.

< to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	110 to 119	120 to 129	130 to 139	140 to >
0	1	6	13	77	235	223	74	14	9	3	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 615 which represents 94 percent of the total classified vehicles. The number of Small Trucks in the study was 4 which represents 1 percent of the total classified vehicles. The number of Trucks/Buses in the study was 18 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 18 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 21.9	22.0 to >							
206	409	4	18	8	2	1	7							

CHART 2

**HEADWAY**

During the peak traffic period, on 2023-07-19 at [04:45 PM-05:00 PM] the average headway between vehicles was 40.909 seconds. During the slowest traffic period, on 2023-07-19 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 21.00 and 52.00 degrees C.

**MH Corbin Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: City of Thorold  
 Street: 68 Canby St - WB  
 Location: 1**

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A study of vehicle traffic was conducted with the device having serial number 407411. The study was done in the WB lane at 68 Canby St - WB in City of Thorold, ON in county. The study began on 2023-07-19 at 12:00 AM and concluded on 2023-07-20 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 677 vehicles passed through the location with a peak volume of 20 on 2023-07-19 at [03:45 PM-04:00 PM] and a minimum volume of 0 on 2023-07-19 at [11:45 PM-12:00 AM]. The AADT count for this study was 677.

**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 KM/H range or lower. The average speed for all classified vehicles was 55 KM/H with 77.66% vehicles exceeding the posted speed of 50 KM/H. 0.89% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 50KM/H and the 85th percentile was 66.29 KM/H.

< to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	110 to 119	120 to 129	130 to 139	140 to >
2	5	11	28	105	328	151	40	4	1	1	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 636 which represents 94 percent of the total classified vehicles. The number of Small Trucks in the study was 9 which represents 1 percent of the total classified vehicles. The number of Trucks/Buses in the study was 19 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 12 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 21.9	22.0 to >						
274	362	9	19	2	2	5	3						

CHART 2

**HEADWAY**

During the peak traffic period, on 2023-07-19 at [03:45 PM-04:00 PM] the average headway between vehicles was 42.857 seconds. During the slowest traffic period, on 2023-07-19 at [11:45 PM-12:00 AM] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 21.00 and 53.00 degrees C.

**MH Corbin Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: City of Thorold  
 Street: 133 Canby St - EB  
 Location: 2**

A study of vehicle traffic was conducted with the device having serial number 403751. The study was done in the EB lane at 133 Canby St - EB in City of Thorold, ON in county. The study began on 2023-07-19 at 12:00 AM and concluded on 2023-07-20 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 862 vehicles passed through the location with a peak volume of 23 on 2023-07-19 at [04:30 PM-04:45 PM] and a minimum volume of 0 on 2023-07-19 at [10:15 PM-10:30 PM]. The AADT count for this study was 862.

**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 KM/H range or lower. The average speed for all classified vehicles was 59 KM/H with 83.97% vehicles exceeding the posted speed of 50 KM/H. 2.56% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 50KM/H and the 85th percentile was 69.93 KM/H.

< to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	110 to 119	120 to 129	130 to 139	140 to >
1	3	4	33	97	324	271	106	17	5	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 799 which represents 93 percent of the total classified vehicles. The number of Small Trucks in the study was 22 which represents 3 percent of the total classified vehicles. The number of Trucks/Buses in the study was 20 which represents 2 percent of the total classified vehicles. The number of Tractor Trailers in the study was 20 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 21.9	22.0 to >							
224	575	22	20	9	4	2	5							

CHART 2

**HEADWAY**

During the peak traffic period, on 2023-07-19 at [04:30 PM-04:45 PM] the average headway between vehicles was 37.5 seconds. During the slowest traffic period, on 2023-07-19 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 21.00 and 53.00 degrees C.

**MH Corbin Traffic Analyzer Study  
 Computer Generated Summary Report  
 City: City of Thorold  
 Street: 133 Canby St - WB  
 Location: 2**

A study of vehicle traffic was conducted with the device having serial number 400176. The study was done in the WB lane at 133 Canby St - WB in City of Thorold, ON in county. The study began on 2023-07-19 at 12:00 AM and concluded on 2023-07-20 at 12:00 AM, lasting a total of 24.00 hours. Traffic statistics were recorded in 15 minute time periods. The total recorded volume showed 837 vehicles passed through the location with a peak volume of 25 on 2023-07-19 at [03:45 PM-04:00 PM] and a minimum volume of 0 on 2023-07-19 at [01:30 AM-01:45 AM]. The AADT count for this study was 837.

**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 KM/H range or lower. The average speed for all classified vehicles was 55 KM/H with 75.84% vehicles exceeding the posted speed of 50 KM/H. 2.40% percent of the total vehicles were traveling in excess of 89 KM/H. The mode speed for this traffic study was 50KM/H and the 85th percentile was 64.62 KM/H.

< to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	100 to 109	110 to 119	120 to 129	130 to 139	140 to >
0	3	6	28	164	440	143	28	15	2	3	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 778 which represents 94 percent of the total classified vehicles. The number of Small Trucks in the study was 9 which represents 1 percent of the total classified vehicles. The number of Trucks/Buses in the study was 28 which represents 3 percent of the total classified vehicles. The number of Tractor Trailers in the study was 17 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 21.9	22.0 to >							
333	445	9	28	4	3	6	4							

CHART 2

**HEADWAY**

During the peak traffic period, on 2023-07-19 at [03:45 PM-04:00 PM] the average headway between vehicles was 34.615 seconds. During the slowest traffic period, on 2023-07-19 at [01:30 AM-01:45 AM] the average headway between vehicles was 900 seconds.

**WEATHER**

The roadway surface temperature over the period of the study varied between 22.00 and 50.00 degrees C.