# Memorandum

The City of Traverse City
Engineering Department

TO: Tim J. Lodge, P.E., City Engineer

FROM: Brogan Beyette, Engineering Intern

DATE: June 11, 2013

SUBJECT: Speed count on Parsons Rd., between Hastings St. & Airport Access Rd.

The City of Traverse City Engineering Department conducted an on-site speed count beginning Tuesday, June 4, 2013 at 2:00pm and ending Tuesday, June 11, 2013 at 3:00pm on Parsons Rd., between Hastings St. & Airport Access Rd.

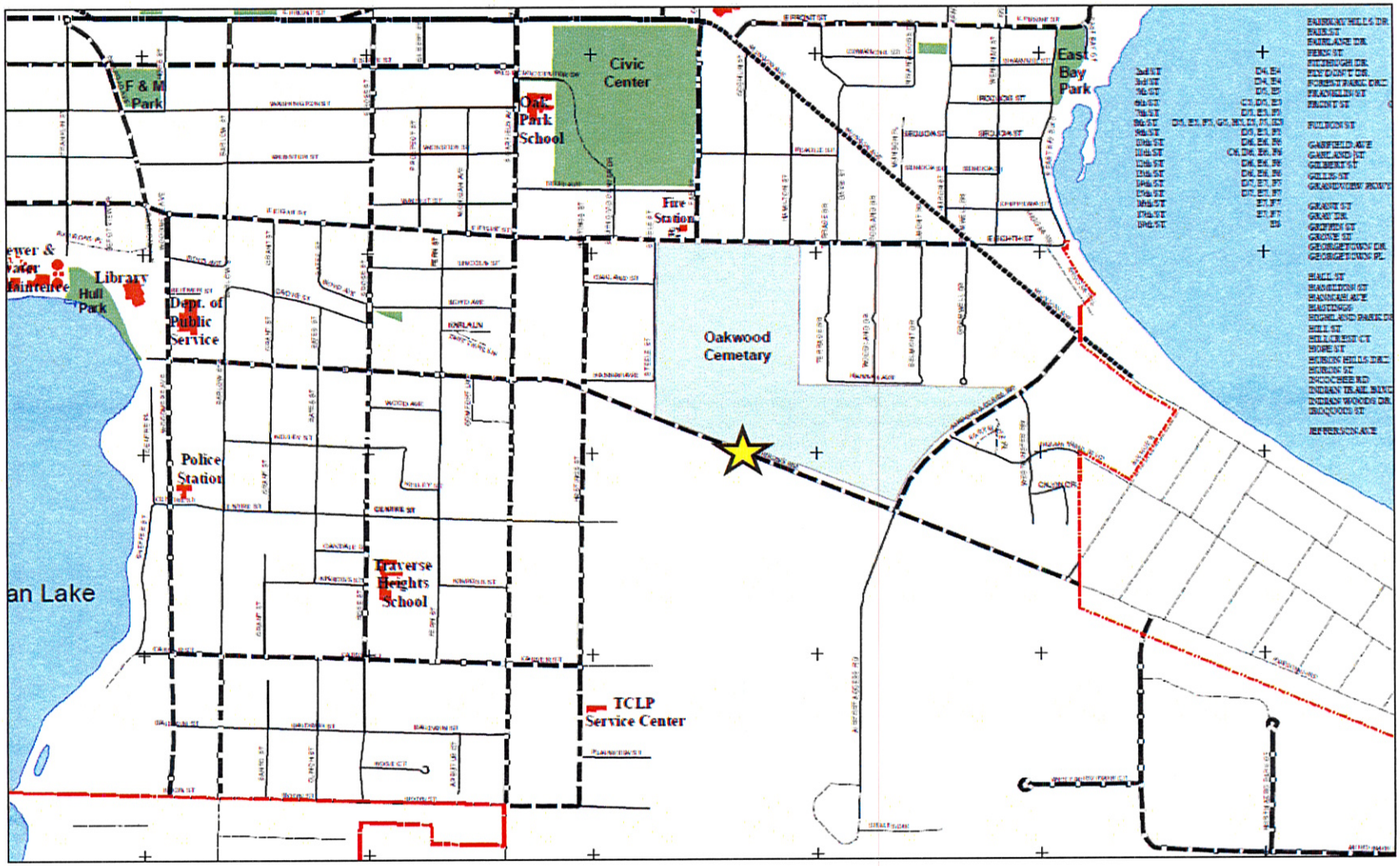
The Jamar Radar Recorder gathered data for each lane of traffic; one lane east bound and one lane west bound. The speeds of each vehicle were recorded in the device and then compiled into TraxPro where the lanes were combined into one report, regardless of direction. The report divided the speeds into groups starting with 1-15 mph and each successive group at 5 mph increments. Each group shows how many vehicles were within that specific range of speed and at what times.

The speed limit of Parsons Rd. at this particular location is 45 mph. According to the enclosed detailed speed report, the average speed of the vehicles was 42 mph. 73.1% of the vehicles were at 45 mph and less with 95.5% of all vehicles at 50 mph and less.

**Summary:**

- Speed Limit: 45 mph
- Average Speed: 42 mph
- Total Number of Vehicles: 63,455
- 24-hr ADT Weekday: 10,728 vehicles
- 24-hr ADT Weekend: 4,767 vehicles
- 15$^{th}$ Percentile: 36 mph
- 50$^{th}$ Percentile: 42 mph
- 85$^{th}$ Percentile: 47 mph
- 95$^{th}$ Percentile: 50 mph

Enclosed: Detailed TraxPro Speed Report
Location Map


F & M Park
Civic Center
Oak Park School
Fire Station
East Bay Park
Library
Hull Park
Dept. of Public Service
Oakwood Cemetary
Police Station
Traverse Heights School
TCLP Service Center
an Lake

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/04/13 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 01:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 02:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 03:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 04:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 05:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 06:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 07:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 08:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 09:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 10:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 11:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 12 PM | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 13:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 14:00 | 8 | 0 | 0 | 4 | 37 | 247 | 358 | 140 | 19 | **5** | 0 | 0 | 0 | 0 | 818 | 46 | 49 |
| 15:00 | **26** | **3** | 0 | **8** | 20 | 215 | 365 | 139 | 26 | 0 | **1** | 0 | 0 | 0 | 803 | 46 | 49 |
| 16:00 | 20 | 0 | 0 | 1 | **41** | 262 | 417 | 145 | 18 | 0 | 0 | 0 | 0 | 0 | 904 | 46 | 49 |
| 17:00 | 10 | 0 | 0 | 0 | 30 | **304** | **460** | **183** | 17 | 2 | 0 | 0 | 0 | 0 | **1006** | 46 | 49 |
| 18:00 | 12 | 1 | 0 | 1 | 14 | 129 | 273 | 162 | **30** | 2 | 0 | 0 | 0 | 0 | 624 | 48 | 50 |
| 19:00 | 6 | 0 | 0 | 1 | 6 | 79 | 189 | 85 | 19 | 0 | 0 | 0 | 0 | 0 | 385 | 47 | 50 |
| 20:00 | 4 | 1 | 0 | 0 | 6 | 50 | 96 | 84 | 12 | 3 | 0 | 0 | 0 | 0 | 256 | 48 | 51 |
| 21:00 | 2 | 0 | 0 | 2 | 1 | 30 | 74 | 47 | 18 | 0 | 1 | 0 | 0 | 0 | 175 | 49 | 52 |
| 22:00 | 4 | 0 | 0 | 1 | 3 | 15 | 48 | 31 | 8 | 2 | 0 | 0 | 0 | 0 | 112 | 48 | 52 |
| 23:00 | 0 | 0 | 0 | 1 | 1 | 13 | 30 | 24 | 10 | 0 | 1 | 0 | 0 | 0 | 80 | 50 | 53 |
| Total | 92 | 5 | 0 | 19 | 159 | 1344 | 2310 | 1040 | 177 | 14 | 3 | 0 | 0 | 0 | 5163 | | |
| Percent | 1.8% | 0.1% | 0.0% | 0.4% | 3.1% | 26.0% | 44.7% | 20.1% | 3.4% | 0.3% | 0.1% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | | | | | | | | | | | | | | | | | |
| Vol. | | | | | | | | | | | | | | | | | |
| PM Peak | 15:00 | 15:00 | | 15:00 | 16:00 | 17:00 | 17:00 | 17:00 | 18:00 | 14:00 | 15:00 | | | | 17:00 | | |
| Vol. | 26 | 3 | | 8 | 41 | 304 | 460 | 183 | 30 | 5 | 1 | | | | 1006 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/05/13 | 2 | 0 | 0 | 0 | 3 | 10 | 16 | 10 | 3 | 1 | 0 | 0 | 0 | 0 | 45 | 48 | 52 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 13 | 2 | 2 | 0 | 0 | 0 | 0 | 26 | 51 | 56 |
| 02:00 | 0 | 0 | 0 | 0 | 1 | 5 | 9 | 3 | 0 | 1 | 0 | **1** | 0 | 0 | 20 | 48 | 63 |
| 03:00 | 0 | 0 | 0 | 0 | 2 | 3 | 6 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 18 | 49 | 52 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 7 | 7 | 12 | 2 | 0 | 0 | 0 | 0 | 0 | 28 | 49 | 51 |
| 05:00 | 0 | **1** | 1 | 4 | 11 | 20 | 32 | 15 | 5 | 1 | 0 | 0 | 0 | 0 | 90 | 47 | 51 |
| 06:00 | 4 | 0 | 0 | 0 | 7 | 27 | 80 | 70 | 13 | 1 | 0 | 0 | 0 | 0 | 202 | 48 | 51 |
| 07:00 | 7 | 0 | 0 | 0 | 6 | 152 | 286 | **154** | 25 | **4** | 0 | 0 | 0 | 0 | 634 | 47 | 50 |
| 08:00 | **20** | 0 | **4** | 1 | **40** | 137 | 277 | 134 | **31** | 1 | 0 | 0 | 0 | 0 | 645 | 47 | 50 |
| 09:00 | 8 | 0 | 0 | 0 | 26 | 135 | 260 | 129 | 26 | 2 | 0 | 0 | 0 | 0 | 586 | 47 | 50 |
| 10:00 | 12 | 0 | 0 | **6** | 24 | 121 | 214 | 108 | 20 | 0 | 0 | 0 | 0 | 0 | 505 | 47 | 50 |
| 11:00 | 10 | 0 | 1 | 1 | 22 | **179** | **303** | 135 | 16 | 4 | 0 | 0 | 0 | 0 | **671** | 46 | 50 |
| 12 PM | 12 | **1** | 0 | 0 | 36 | 252 | 415 | 130 | 17 | **5** | 0 | 0 | 0 | 0 | 868 | 46 | 49 |
| 13:00 | 8 | 1 | 0 | 1 | 45 | 277 | 316 | 106 | 10 | 2 | 0 | 0 | 0 | 0 | 766 | 45 | 48 |
| 14:00 | 14 | 1 | 0 | 8 | 53 | 213 | 337 | 116 | 13 | 1 | 0 | 0 | 0 | 0 | 756 | 46 | 49 |
| 15:00 | 8 | 0 | 0 | 4 | 37 | 267 | 391 | 117 | 16 | 1 | 0 | 0 | 0 | 0 | 841 | 45 | 49 |
| 16:00 | **21** | 0 | 0 | 1 | 34 | 268 | 352 | 165 | 27 | 1 | **1** | **1** | 0 | 0 | 871 | 46 | 50 |
| 17:00 | 11 | 0 | 0 | **10** | **60** | **297** | **441** | 163 | 25 | 1 | 0 | 0 | 0 | 0 | **1008** | 46 | 49 |
| 18:00 | 6 | 0 | 0 | 0 | 17 | 170 | 350 | **171** | 28 | 0 | 0 | 0 | 0 | 0 | 742 | 47 | 50 |
| 19:00 | 8 | 0 | 0 | 0 | 6 | 87 | 224 | 135 | **29** | 3 | 1 | 0 | **1** | 0 | 494 | 48 | 51 |
| 20:00 | 0 | 0 | 0 | 0 | 4 | 84 | 180 | 157 | 23 | 1 | 0 | 0 | 0 | 0 | 449 | 48 | 51 |
| 21:00 | 2 | 0 | 0 | 0 | 3 | 28 | 98 | 51 | 17 | 4 | 0 | 0 | 0 | 0 | 203 | 49 | 53 |
| 22:00 | 0 | 0 | 0 | 1 | 4 | 27 | 53 | 31 | 3 | 1 | 0 | 0 | 1 | **1** | 122 | 47 | 50 |
| 23:00 | 0 | 0 | **2** | 1 | 2 | 26 | 38 | 45 | 6 | 2 | 0 | 0 | 0 | 0 | 122 | 49 | 51 |
| Total | 153 | 4 | 8 | 38 | 443 | 2794 | 4692 | 2175 | 359 | 39 | 2 | 2 | 2 | 1 | 10712 | | |
| Percent | 1.4% | 0.0% | 0.1% | 0.4% | 4.1% | 26.1% | 43.8% | 20.3% | 3.4% | 0.4% | 0.0% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 08:00 | 05:00 | 08:00 | 10:00 | 08:00 | 11:00 | 11:00 | 07:00 | 08:00 | 07:00 | | 02:00 | | | 11:00 | | |
| Vol. | 20 | 1 | 4 | 6 | 40 | 179 | 303 | 154 | 31 | 4 | | 1 | | | 671 | | |
| PM Peak | 16:00 | 12:00 | 23:00 | 17:00 | 17:00 | 17:00 | 17:00 | 18:00 | 19:00 | 12:00 | 16:00 | 16:00 | 19:00 | 22:00 | 17:00 | | |
| Vol. | 21 | 1 | 2 | 10 | 60 | 297 | 441 | 171 | 29 | 5 | 1 | 1 | 1 | 1 | 1008 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/06/13 | 0 | 0 | 0 | 0 | 5 | 4 | 18 | 13 | 4 | 0 | 0 | 0 | 0 | 0 | 44 | 49 | 52 |
| 01:00 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 20 | 48 | 50 |
| 02:00 | 0 | 0 | 0 | 0 | 1 | 3 | 8 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 20 | 50 | 55 |
| 03:00 | 0 | 0 | 0 | 0 | 5 | 1 | 8 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 19 | 47 | 50 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 4 | 6 | 15 | 4 | 0 | 0 | 0 | 0 | 0 | 29 | 50 | 53 |
| 05:00 | 0 | 0 | 0 | 0 | 3 | 9 | 35 | 36 | 10 | **3** | 0 | 0 | 0 | 0 | 96 | 50 | 54 |
| 06:00 | 2 | 0 | 0 | 0 | 4 | 29 | 106 | 84 | 21 | 3 | 0 | 0 | 0 | 0 | 249 | 49 | 52 |
| 07:00 | 2 | **1** | 0 | **1** | 12 | 149 | 292 | 144 | 29 | 2 | 0 | 0 | **1** | 0 | 633 | 47 | 50 |
| 08:00 | **14** | 0 | 0 | 0 | 21 | 184 | 264 | 159 | 17 | 1 | **1** | 0 | 0 | 0 | 661 | 47 | 50 |
| 09:00 | 8 | 1 | 0 | 0 | 14 | 132 | 272 | 156 | 22 | 0 | 0 | 0 | 0 | 0 | 605 | 47 | 50 |
| 10:00 | 12 | 0 | 0 | 0 | 15 | 146 | 294 | **167** | **30** | 3 | 0 | 0 | 0 | 0 | 667 | 47 | 50 |
| 11:00 | 7 | 0 | 0 | 0 | **26** | **205** | **322** | 153 | 17 | 0 | 0 | 0 | 0 | 0 | **730** | 46 | 49 |
| 12 PM | 8 | 0 | 0 | 3 | 41 | 241 | 403 | **220** | 26 | 2 | 0 | 0 | **1** | 0 | 945 | 47 | 50 |
| 13:00 | 10 | 0 | **4** | 7 | 66 | **295** | 356 | 128 | 17 | 1 | 0 | 0 | 0 | 0 | 884 | 45 | 49 |
| 14:00 | 10 | 0 | 0 | **14** | **80** | 247 | 294 | 121 | 21 | 1 | 0 | 0 | 0 | 0 | 788 | 46 | 49 |
| 15:00 | 10 | **1** | 0 | 6 | 39 | 241 | 400 | 142 | 14 | 3 | 0 | 0 | 0 | 0 | 856 | 46 | 49 |
| 16:00 | **12** | 0 | 0 | 5 | 30 | 251 | 438 | 173 | 31 | 2 | 0 | 0 | 0 | **1** | 943 | 46 | 50 |
| 17:00 | 10 | 0 | 0 | 0 | 48 | 258 | **476** | 186 | 24 | 1 | 0 | 0 | 0 | 0 | **1003** | 46 | 49 |
| 18:00 | 8 | 0 | 0 | 0 | 14 | 116 | 318 | 162 | **33** | 2 | 0 | 0 | 0 | 0 | 653 | 48 | 51 |
| 19:00 | 6 | 0 | 0 | 1 | 18 | 78 | 167 | 128 | 32 | 2 | 0 | 0 | 0 | 0 | 432 | 48 | 51 |
| 20:00 | 8 | 0 | 0 | 0 | 4 | 51 | 141 | 90 | 23 | 2 | **1** | 0 | 0 | 0 | 320 | 48 | 52 |
| 21:00 | 8 | 0 | 3 | 1 | 7 | 49 | 93 | 53 | 9 | 0 | 0 | 0 | 0 | 0 | 223 | 47 | 50 |
| 22:00 | 2 | 0 | 0 | 1 | 4 | 23 | 64 | 40 | 15 | 1 | 0 | **1** | 0 | 0 | 151 | 49 | 53 |
| 23:00 | 4 | 0 | 0 | 1 | 1 | 29 | 67 | 45 | 8 | **4** | 0 | 0 | 0 | 0 | 159 | 48 | 52 |
| Total | 141 | 3 | 7 | 40 | 458 | 2748 | 4853 | 2429 | 411 | 34 | 2 | 1 | 2 | 1 | 11130 | | |
| Percent | 1.3% | 0.0% | 0.1% | 0.4% | 4.1% | 24.7% | 43.6% | 21.8% | 3.7% | 0.3% | 0.0% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 08:00 | 07:00 | | 07:00 | 11:00 | 11:00 | 11:00 | 10:00 | 10:00 | 05:00 | 08:00 | | 07:00 | | 11:00 | | |
| Vol. | 14 | 1 | | 1 | 26 | 205 | 322 | 167 | 30 | 3 | 1 | | 1 | | 730 | | |
| PM Peak | 16:00 | 15:00 | 13:00 | 14:00 | 14:00 | 13:00 | 17:00 | 12:00 | 18:00 | 23:00 | 20:00 | 22:00 | 12:00 | 16:00 | 17:00 | | |
| Vol. | 12 | 1 | 4 | 14 | 80 | 295 | 476 | 220 | 33 | 4 | 1 | 1 | 1 | 1 | 1003 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/07/13 | 0 | 0 | 0 | 0 | 0 | 9 | 13 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 28 | 46 | 50 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 7 | 5 | 0 | 0 | 0 | 0 | 0 | 23 | 51 | 54 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 7 | 15 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 32 | 50 | 53 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 3 | 11 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 20 | 48 | 55 |
| 04:00 | 0 | 0 | 0 | 0 | 3 | 5 | 5 | 13 | 1 | 0 | 0 | 0 | 0 | 0 | 27 | 49 | 50 |
| 05:00 | 0 | 0 | 0 | 0 | 2 | 10 | 29 | 35 | 9 | 0 | 0 | 0 | 0 | **1** | 86 | 49 | 52 |
| 06:00 | 2 | 0 | 0 | 0 | 3 | 16 | 95 | 93 | 26 | **5** | **2** | 0 | 0 | 0 | 242 | 50 | 54 |
| 07:00 | 13 | 0 | 0 | 0 | 7 | 78 | 245 | **167** | 26 | 4 | 1 | **1** | 0 | 0 | 542 | 48 | 51 |
| 08:00 | 6 | 0 | 0 | 0 | 14 | 129 | 300 | 166 | **36** | 4 | 0 | 0 | 0 | 0 | 655 | 48 | 51 |
| 09:00 | 21 | **5** | **20** | **11** | **84** | 188 | 248 | 98 | 20 | 1 | 0 | 0 | 0 | 0 | 696 | 45 | 49 |
| 10:00 | **45** | 3 | 1 | 6 | 35 | 169 | 185 | 92 | 15 | 2 | 0 | 0 | 0 | 0 | 553 | 46 | 49 |
| 11:00 | 5 | 0 | 0 | 5 | 35 | **206** | **365** | 126 | 9 | 1 | 1 | 0 | 0 | 0 | **753** | 46 | 49 |
| 12 PM | 14 | 0 | 1 | **20** | **77** | **390** | 417 | 98 | 14 | 1 | 0 | 0 | 0 | 0 | **1032** | 44 | 48 |
| 13:00 | **16** | 0 | 0 | 4 | 57 | 294 | 403 | 134 | 14 | 2 | **1** | 0 | 0 | 0 | 925 | 45 | 49 |
| 14:00 | 12 | 0 | 0 | 19 | 45 | 256 | 297 | 143 | 26 | 3 | 0 | 0 | 0 | 0 | 801 | 46 | 50 |
| 15:00 | 8 | 0 | 0 | 1 | 56 | 286 | **427** | 133 | 19 | 1 | 1 | 0 | 0 | 0 | 932 | 45 | 49 |
| 16:00 | 7 | 0 | **6** | 3 | 33 | 238 | 386 | 196 | 22 | 2 | 0 | 0 | 0 | 0 | 893 | 47 | 49 |
| 17:00 | 12 | 0 | 0 | 5 | 17 | 192 | 412 | **207** | 23 | 2 | 0 | 0 | 0 | 0 | 870 | 47 | 50 |
| 18:00 | 16 | **1** | 0 | 0 | 12 | 101 | 248 | 162 | **32** | 3 | 0 | 0 | 0 | 0 | 575 | 48 | 51 |
| 19:00 | 6 | 1 | 0 | 0 | 7 | 65 | 181 | 127 | 25 | **5** | 0 | 0 | 0 | 0 | 417 | 48 | 51 |
| 20:00 | 10 | 0 | 0 | 0 | 3 | 59 | 107 | 69 | 16 | 2 | 0 | 0 | 0 | 0 | 266 | 48 | 51 |
| 21:00 | 4 | 0 | 0 | 0 | 3 | 38 | 121 | 55 | 10 | 1 | 1 | 0 | 0 | 0 | 233 | 47 | 50 |
| 22:00 | 6 | 0 | 0 | 0 | 4 | 46 | 72 | 53 | 7 | 0 | 0 | 0 | 0 | 0 | 188 | 47 | 50 |
| 23:00 | 2 | 0 | 0 | 0 | 9 | 21 | 45 | 29 | 10 | 0 | 0 | 0 | 0 | 0 | 116 | 48 | 52 |
| Total | 205 | 10 | 28 | 74 | 507 | 2811 | 4632 | 2217 | 372 | 40 | 7 | 1 | 0 | 1 | 10905 | | |
| Percent | 1.9% | 0.1% | 0.3% | 0.7% | 4.6% | 25.8% | 42.5% | 20.3% | 3.4% | 0.4% | 0.1% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 10:00 | 09:00 | 09:00 | 09:00 | 09:00 | 11:00 | 11:00 | 07:00 | 08:00 | 06:00 | 06:00 | 07:00 | | 05:00 | 11:00 | | |
| Vol. | 45 | 5 | 20 | 11 | 84 | 206 | 365 | 167 | 36 | 5 | 2 | 1 | | 1 | 753 | | |
| PM Peak | 13:00 | 18:00 | 16:00 | 12:00 | 12:00 | 12:00 | 15:00 | 17:00 | 18:00 | 19:00 | 13:00 | | | | 12:00 | | |
| Vol. | 16 | 1 | 6 | 20 | 77 | 390 | 427 | 207 | 32 | 5 | 1 | | | | 1032 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/08/13 | 2 | 0 | 0 | **2** | 4 | 20 | 36 | 24 | 5 | 0 | 0 | 0 | 0 | 0 | 93 | 48 | 51 |
| 01:00 | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 19 | 48 | 51 |
| 02:00 | 0 | 0 | 0 | 0 | 2 | 4 | 4 | 10 | 1 | 1 | 0 | 0 | **1** | 0 | 23 | 50 | 57 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 18 | 50 | 55 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 2 | 3 | 0 | 1 | 0 | 0 | 0 | 15 | 52 | 61 |
| 05:00 | 0 | 0 | 0 | 0 | 1 | 7 | 11 | 14 | 1 | 1 | 0 | 0 | 0 | 0 | 35 | 49 | 51 |
| 06:00 | 0 | 0 | 0 | 0 | 1 | 5 | 20 | 27 | 14 | **2** | 0 | 0 | 0 | 0 | 69 | 52 | 54 |
| 07:00 | 3 | 0 | 0 | 0 | 1 | 10 | 41 | 42 | 11 | 0 | 1 | 0 | 0 | 0 | 109 | 49 | 52 |
| 08:00 | 2 | 0 | 0 | 0 | 5 | 46 | 111 | 80 | 20 | 2 | 0 | 0 | 0 | 0 | 266 | 49 | 52 |
| 09:00 | 2 | 0 | 0 | 0 | **14** | 64 | 145 | 74 | 17 | 1 | 0 | 0 | 0 | 0 | 317 | 47 | 51 |
| 10:00 | 2 | **1** | 0 | 0 | 13 | 80 | 205 | **116** | 16 | 1 | **2** | 0 | 0 | 0 | 436 | 47 | 50 |
| 11:00 | **7** | 0 | 0 | 0 | 9 | **101** | **229** | 116 | **23** | 1 | 0 | 0 | 0 | 0 | **486** | 47 | 50 |
| 12 PM | 4 | **1** | 0 | 1 | 6 | 86 | **256** | 107 | 26 | 1 | **2** | 0 | 0 | 0 | **490** | 47 | 51 |
| 13:00 | 2 | 0 | 0 | 0 | 11 | 73 | 161 | **126** | 22 | **5** | 0 | 0 | 0 | 0 | 400 | 48 | 51 |
| 14:00 | 0 | 0 | 0 | 1 | 7 | **92** | 186 | 106 | 21 | 2 | 0 | 0 | 0 | 0 | 415 | 48 | 51 |
| 15:00 | 6 | 0 | **1** | **2** | **14** | 85 | 177 | 125 | 25 | 2 | 0 | 0 | 0 | 0 | 437 | 48 | 51 |
| 16:00 | 2 | 0 | 0 | 0 | 8 | 56 | 168 | 103 | 22 | 1 | 0 | 0 | 0 | 0 | 360 | 48 | 51 |
| 17:00 | **10** | 0 | 0 | 1 | 2 | 45 | 152 | 121 | **28** | 0 | 0 | 0 | 0 | 0 | 359 | 49 | 51 |
| 18:00 | 6 | 0 | 0 | 1 | 7 | 42 | 102 | 97 | 24 | 0 | 0 | 0 | 0 | 0 | 279 | 49 | 52 |
| 19:00 | 5 | 1 | 0 | 1 | 4 | 21 | 107 | 76 | 12 | 2 | 0 | 0 | 0 | 0 | 229 | 48 | 51 |
| 20:00 | 4 | 0 | 0 | 0 | 6 | 26 | 73 | 62 | 18 | 2 | 1 | 0 | 0 | 0 | 192 | 49 | 53 |
| 21:00 | 0 | 0 | 0 | 0 | 3 | 32 | 57 | 41 | 13 | 0 | 2 | 0 | 0 | 0 | 148 | 49 | 52 |
| 22:00 | 4 | 0 | 0 | 1 | 9 | 19 | 52 | 29 | 6 | 1 | 0 | 0 | 0 | 0 | 121 | 47 | 51 |
| 23:00 | 2 | 0 | 0 | 0 | 1 | 18 | 30 | 26 | 6 | 0 | 0 | 0 | 0 | 0 | 83 | 48 | 51 |
| Total | 63 | 3 | 1 | 10 | 129 | 946 | 2339 | 1535 | 337 | 26 | 9 | 0 | 1 | 0 | 5399 | | |
| Percent | 1.2% | 0.1% | 0.0% | 0.2% | 2.4% | 17.5% | 43.3% | 28.4% | 6.2% | 0.5% | 0.2% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 11:00 | 10:00 | | 00:00 | 09:00 | 11:00 | 11:00 | 10:00 | 11:00 | 06:00 | 10:00 | | 02:00 | | 11:00 | | |
| Vol. | 7 | 1 | | 2 | 14 | 101 | 229 | 116 | 23 | 2 | 2 | | 1 | | 486 | | |
| PM Peak | 17:00 | 12:00 | 15:00 | 15:00 | 15:00 | 14:00 | 12:00 | 13:00 | 17:00 | 13:00 | 12:00 | | | | 12:00 | | |
| Vol. | 10 | 1 | 1 | 2 | 14 | 92 | 256 | 126 | 28 | 5 | 2 | | | | 490 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/09/13 | 3 | 0 | 0 | 0 | 0 | 5 | 13 | 10 | 4 | 0 | 0 | 0 | 0 | 0 | 35 | 49 | 52 |
| 01:00 | 2 | 0 | 0 | 1 | 0 | 6 | 7 | 6 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 49 | 52 |
| 02:00 | 0 | 0 | 0 | 0 | 2 | 5 | 13 | 9 | 1 | 0 | 0 | 0 | 0 | 0 | 30 | 48 | 50 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 10 | 52 | 57 |
| 04:00 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 44 | 45 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 6 | 7 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 17 | 48 | 55 |
| 06:00 | 1 | 0 | 0 | 0 | 0 | 4 | 7 | 11 | 7 | 1 | 0 | **1** | 0 | 0 | 32 | 52 | 56 |
| 07:00 | 2 | 0 | 0 | 0 | 1 | 11 | 31 | 23 | 5 | 1 | 0 | 0 | 0 | 0 | 74 | 48 | 52 |
| 08:00 | 0 | 0 | 0 | 0 | 4 | 25 | 44 | 43 | 16 | 1 | **1** | 0 | 0 | 0 | 134 | 50 | 53 |
| 09:00 | 0 | 0 | 0 | 0 | 4 | 26 | 85 | 61 | **17** | **2** | 0 | 0 | 0 | 0 | 195 | 49 | 52 |
| 10:00 | **4** | 0 | 0 | 1 | **10** | **67** | 132 | **67** | 16 | 0 | 0 | 0 | 0 | 0 | **297** | 47 | 50 |
| 11:00 | 4 | 0 | **1** | **2** | 6 | 60 | **138** | 64 | 10 | 1 | 0 | 0 | 0 | 0 | 286 | 47 | 50 |
| 12 PM | **6** | **1** | 0 | **3** | 9 | 46 | **193** | **117** | 20 | 1 | 0 | 0 | 0 | 0 | 396 | 48 | 51 |
| 13:00 | 4 | 0 | 0 | 2 | **11** | **73** | 189 | 102 | 17 | 1 | 0 | 0 | 0 | 0 | **399** | 47 | 50 |
| 14:00 | 4 | 0 | 0 | 0 | 11 | 42 | 149 | 98 | 17 | 1 | 0 | 0 | 0 | 0 | 322 | 48 | 51 |
| 15:00 | 4 | 1 | 0 | 0 | 8 | 65 | 145 | 104 | 28 | **4** | **1** | 0 | 0 | 0 | 360 | 49 | 52 |
| 16:00 | 6 | 0 | **3** | 1 | 1 | 45 | 132 | 114 | **32** | 1 | 1 | 0 | 0 | 0 | 336 | 49 | 52 |
| 17:00 | 6 | 0 | 0 | 0 | 6 | 70 | 106 | 91 | 21 | 3 | 0 | 0 | 0 | 0 | 303 | 48 | 52 |
| 18:00 | 2 | 0 | 0 | 0 | 0 | 43 | 109 | 86 | 17 | 1 | 0 | 0 | 0 | 0 | 258 | 48 | 51 |
| 19:00 | 0 | 0 | 0 | 0 | 7 | 34 | 75 | 75 | 10 | 0 | 1 | **1** | 0 | 0 | 203 | 48 | 51 |
| 20:00 | 0 | 0 | 0 | 1 | 2 | 26 | 75 | 54 | 9 | 3 | 0 | 0 | 0 | 0 | 170 | 48 | 51 |
| 21:00 | 3 | 0 | 0 | 0 | 5 | 19 | 44 | 33 | 8 | 1 | 0 | 0 | 0 | 0 | 113 | 48 | 52 |
| 22:00 | 2 | 0 | 0 | 0 | 2 | 9 | 37 | 22 | 5 | 1 | 0 | 0 | 0 | 0 | 78 | 48 | 52 |
| 23:00 | 2 | 0 | 0 | 0 | 1 | 11 | 22 | 20 | 2 | 0 | 1 | 0 | 0 | 0 | 59 | 48 | 51 |
| Total | 55 | 2 | 4 | 11 | 90 | 702 | 1758 | 1214 | 267 | 25 | 5 | 2 | 0 | 0 | 4135 | | |
| Percent | 1.3% | 0.0% | 0.1% | 0.3% | 2.2% | 17.0% | 42.5% | 29.4% | 6.5% | 0.6% | 0.1% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 10:00 | | 11:00 | 11:00 | 10:00 | 10:00 | 11:00 | 10:00 | 09:00 | 09:00 | 08:00 | 06:00 | | | 10:00 | | |
| Vol. | 4 | | 1 | 2 | 10 | 67 | 138 | 67 | 17 | 2 | 1 | 1 | | | 297 | | |
| PM Peak | 12:00 | 12:00 | 16:00 | 12:00 | 13:00 | 13:00 | 12:00 | 12:00 | 16:00 | 15:00 | 15:00 | 19:00 | | | 13:00 | | |
| Vol. | 6 | 1 | 3 | 3 | 11 | 73 | 193 | 117 | 32 | 4 | 1 | 1 | | | 399 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/10/13 | 2 | 0 | 0 | 0 | 0 | 4 | 12 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 27 | 48 | 51 |
| 01:00 | 5 | **1** | 0 | 0 | 0 | 1 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 15 | 47 | 52 |
| 02:00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 47 | 49 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 13 | 48 | 51 |
| 04:00 | 0 | 0 | 0 | 0 | 2 | 6 | 9 | 11 | 4 | 0 | 0 | 0 | 0 | 0 | 32 | 50 | 52 |
| 05:00 | 0 | 0 | 0 | 0 | 0 | 9 | 34 | 33 | 14 | **3** | 0 | 0 | 0 | 0 | 93 | 51 | 54 |
| 06:00 | 2 | 0 | 0 | 1 | 6 | 42 | 100 | 64 | 13 | 0 | 1 | 0 | 0 | 0 | 229 | 48 | 51 |
| 07:00 | **8** | 0 | 0 | 0 | 7 | 97 | 267 | 146 | **41** | 1 | 0 | 0 | 0 | 0 | 567 | 48 | 51 |
| 08:00 | 8 | 0 | 0 | **2** | 15 | 151 | 302 | 143 | 19 | 0 | 1 | 0 | 0 | 0 | 641 | 47 | 50 |
| 09:00 | 4 | 0 | 0 | 2 | 20 | 137 | 226 | 107 | 14 | 1 | 0 | 0 | 0 | 0 | 511 | 47 | 50 |
| 10:00 | 2 | 0 | 0 | 0 | 15 | 117 | 277 | 133 | 16 | 3 | 0 | 0 | 0 | 0 | 563 | 47 | 50 |
| 11:00 | 6 | 1 | 0 | 1 | **22** | **174** | **352** | **169** | 22 | 3 | **2** | 0 | 0 | 0 | **752** | 47 | 50 |
| 12 PM | 10 | 0 | **1** | **5** | **46** | 258 | 393 | 165 | 19 | 0 | 0 | 0 | 0 | 0 | 897 | 46 | 49 |
| 13:00 | **12** | 0 | 0 | 0 | 38 | 201 | 334 | 131 | 20 | 3 | **2** | 0 | 0 | 0 | 741 | 46 | 50 |
| 14:00 | 8 | 0 | 0 | 0 | 37 | 236 | 319 | 147 | 26 | 0 | 0 | 0 | 0 | 0 | 773 | 46 | 50 |
| 15:00 | 10 | 0 | 1 | 4 | 37 | 236 | 354 | 158 | 31 | 2 | 0 | 0 | 0 | 0 | 833 | 47 | 50 |
| 16:00 | 10 | 0 | 0 | 1 | 26 | 216 | 375 | 163 | 27 | 1 | 0 | 0 | 0 | 0 | 819 | 47 | 50 |
| 17:00 | 10 | 0 | 0 | 0 | 34 | **260** | **433** | **220** | **33** | 0 | 0 | 0 | 0 | 0 | **990** | 47 | 50 |
| 18:00 | 10 | 0 | 0 | 0 | 9 | 108 | 281 | 164 | 27 | 1 | 0 | 0 | 0 | 0 | 600 | 48 | 50 |
| 19:00 | 0 | 0 | 0 | 0 | 6 | 64 | 167 | 99 | 26 | **5** | 0 | 0 | 0 | **1** | 368 | 48 | 52 |
| 20:00 | 6 | 0 | 0 | 1 | 11 | 45 | 111 | 85 | 17 | 0 | 1 | 0 | 0 | 0 | 277 | 48 | 51 |
| 21:00 | 4 | 0 | 0 | 0 | 5 | 34 | 81 | 54 | 10 | 3 | 0 | 0 | 0 | 0 | 191 | 48 | 51 |
| 22:00 | 6 | 0 | 0 | 0 | 10 | 20 | 63 | 44 | 17 | 2 | 0 | 0 | 0 | 0 | 162 | 49 | 53 |
| 23:00 | 2 | 0 | 0 | 1 | 1 | 9 | 23 | 24 | 5 | 0 | 1 | 0 | 0 | 0 | 66 | 49 | 52 |
| Total | 125 | 2 | 2 | 18 | 347 | 2432 | 4520 | 2274 | 406 | 28 | 8 | 0 | 0 | 1 | 10163 | | |
| Percent | 1.2% | 0.0% | 0.0% | 0.2% | 3.4% | 23.9% | 44.5% | 22.4% | 4.0% | 0.3% | 0.1% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 07:00 | 01:00 | | 08:00 | 11:00 | 11:00 | 11:00 | 11:00 | 07:00 | 05:00 | 11:00 | | | | 11:00 | | |
| Vol. | 8 | 1 | | 2 | 22 | 174 | 352 | 169 | 41 | 3 | 2 | | | | 752 | | |
| PM Peak | 13:00 | | 12:00 | 12:00 | 12:00 | 17:00 | 17:00 | 17:00 | 17:00 | 19:00 | 13:00 | | | 19:00 | 17:00 | | |
| Vol. | 12 | | 1 | 5 | 46 | 260 | 433 | 220 | 33 | 5 | 2 | | | 1 | 990 | | |

# Parsons Rd

## Between Hastings St & Airport Access Rd

## Speed

Site Code: 00000001
Station ID:

Latitude: 0' 0.0000 South

Direction 1, Direction 2

| Start Time | 1 15 | 16 20 | 21 25 | 26 30 | 31 35 | 36 40 | 41 45 | 46 50 | 51 55 | 56 60 | 61 65 | 66 70 | 71 75 | 76 999 | Total | 85th Percent | 95th Percent |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 06/11/13 | 0 | 0 | 0 | 0 | 1 | 5 | 12 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 28 | 50 | 53 |
| 01:00 | 0 | 0 | 0 | 0 | 2 | 2 | 6 | 6 | 3 | 3 | 0 | 0 | 0 | 0 | 22 | 54 | 58 |
| 02:00 | 0 | 0 | 0 | 0 | 2 | 2 | 7 | 6 | 1 | 0 | **1** | 0 | 0 | 0 | 19 | 49 | 59 |
| 03:00 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 20 | 49 | 52 |
| 04:00 | 0 | 0 | 0 | 1 | 1 | 2 | 10 | 6 | 1 | 2 | 1 | 0 | 0 | 0 | 24 | 52 | 59 |
| 05:00 | 2 | 0 | 0 | 0 | 2 | 14 | 29 | 38 | 13 | 2 | 1 | 0 | 0 | 0 | 101 | 50 | 54 |
| 06:00 | 4 | 0 | 0 | 0 | 4 | 29 | 74 | 67 | 29 | 3 | 0 | 0 | 0 | 0 | 210 | 50 | 53 |
| 07:00 | **9** | 0 | 0 | 3 | 11 | 101 | 243 | 156 | 38 | **7** | 0 | 0 | 0 | 0 | 568 | 48 | 52 |
| 08:00 | 8 | 0 | 0 | 2 | 22 | 141 | 296 | **186** | **39** | 2 | 1 | 0 | 0 | 0 | **697** | 48 | 51 |
| 09:00 | 6 | 0 | 0 | 1 | 18 | 107 | 239 | 126 | 26 | 3 | 0 | 0 | 0 | 0 | 526 | 47 | 51 |
| 10:00 | 8 | 0 | **3** | 1 | 22 | 140 | **303** | 124 | 16 | 3 | 0 | 0 | 0 | 0 | 620 | 46 | 50 |
| 11:00 | 4 | 0 | 0 | **6** | **34** | **168** | 278 | 141 | 28 | 5 | 0 | 0 | 0 | 0 | 664 | 47 | 50 |
| 12 PM | 12 | 0 | 0 | **6** | 33 | **230** | **388** | 151 | 17 | **2** | 0 | 0 | 0 | 0 | **839** | 46 | 49 |
| 13:00 | **18** | 0 | 0 | 3 | 27 | 216 | 334 | **161** | 16 | 1 | 0 | 0 | 0 | 0 | 776 | 46 | 49 |
| 14:00 | 12 | 0 | 0 | 2 | **45** | 209 | 323 | 117 | **24** | 2 | 0 | 0 | 0 | 0 | 734 | 46 | 49 |
| 15:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 16:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 17:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 18:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 19:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 20:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 21:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 22:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| 23:00 | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * | * |
| Total | 83 | 0 | 3 | 25 | 224 | 1371 | 2547 | 1299 | 257 | 35 | 4 | 0 | 0 | 0 | 5848 | | |
| Percent | 1.4% | 0.0% | 0.1% | 0.4% | 3.8% | 23.4% | 43.6% | 22.2% | 4.4% | 0.6% | 0.1% | 0.0% | 0.0% | 0.0% | | | |
| AM Peak | 07:00 | | 10:00 | 11:00 | 11:00 | 11:00 | 10:00 | 08:00 | 08:00 | 07:00 | 02:00 | | | | 08:00 | | |
| Vol. | 9 | | 3 | 6 | 34 | 168 | 303 | 186 | 39 | 7 | 1 | | | | 697 | | |
| PM Peak | 13:00 | | | 12:00 | 14:00 | 12:00 | 12:00 | 13:00 | 14:00 | 12:00 | | | | | 12:00 | | |
| Vol. | 18 | | | 6 | 45 | 230 | 388 | 161 | 24 | 2 | | | | | 839 | | |
| Grand Total | 917 | 29 | 53 | 235 | 2357 | 15148 | 27651 | 14183 | 2586 | 241 | 40 | 6 | 5 | 4 | 63455 | | |
| Percent | 1.4% | 0.0% | 0.1% | 0.4% | 3.7% | 23.9% | 43.6% | 22.4% | 4.1% | 0.4% | 0.1% | 0.0% | 0.0% | 0.0% | | | |

| | |
|---|---|
| 15th Percentile : | 36 MPH |
| 50th Percentile : | 42 MPH |
| 85th Percentile : | 47 MPH |
| 95th Percentile : | 50 MPH |

Statistics

| | |
|---|---|
| 10 MPH Pace Speed : | 38-47 MPH |
| Number in Pace : | 41920 |
| Percent in Pace : | 66.1% |
| Number of Vehicles > 45 MPH : | 17065 |
| Percent of Vehicles > 45 MPH : | 26.9% |
| Mean Speed(Average) : | 42 MPH |