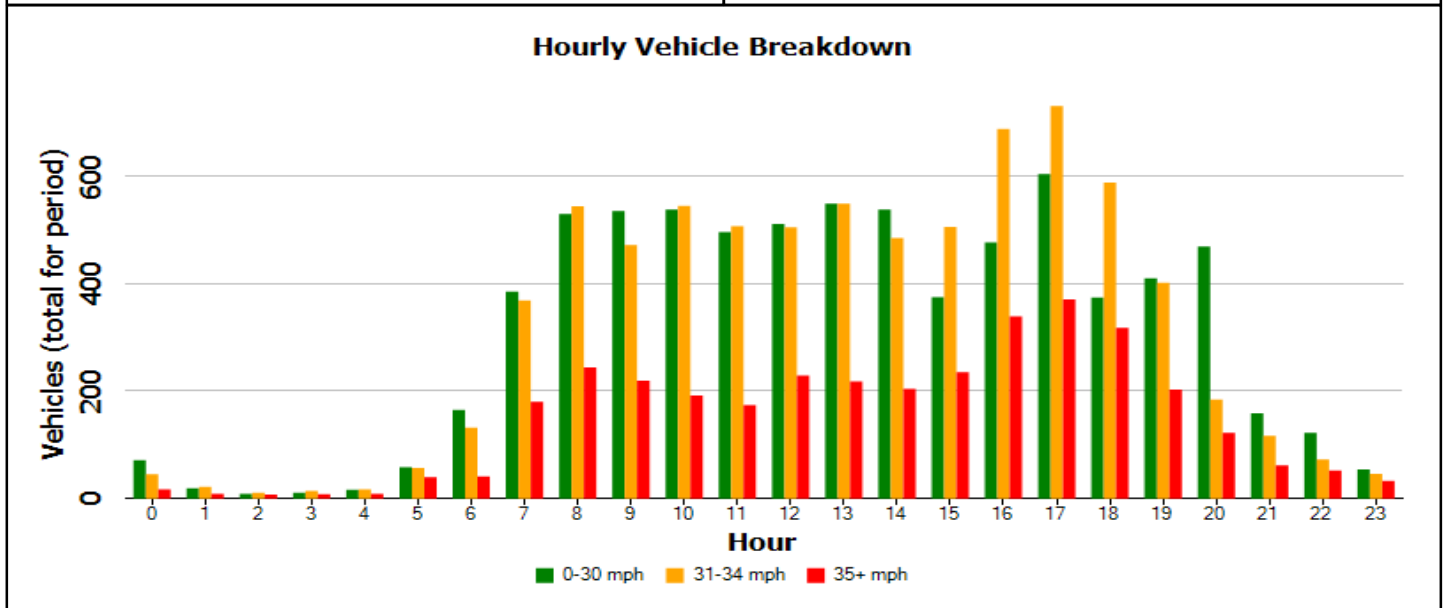


# Haverhill - Vehicle Speed Analysis

## Bumpstead Road (Northbound)

03 Apr 2016 15:50 to 10 Apr 2016 14:00

| Speeding Summary                                                         |                  |       | Speed Breakdown |               |       |
|--------------------------------------------------------------------------|------------------|-------|-----------------|---------------|-------|
| Speed (MPH)                                                              | Vehicles         | %age  | Speed (MPH)     | Vehicles      | %age  |
| 0-30                                                                     | 7,475            | 40.2% | 0-20            | 862           | 4.6%  |
| 31-34                                                                    | 7,609            | 40.9% | 21-25           | 1,078         | 5.8%  |
| 35-49                                                                    | 3,496            | 18.8% | 26-30           | 5,535         | 29.7% |
| 50+                                                                      | 30               | 0.2%  | 31-34           | 7,609         | 40.9% |
| <b>Total:</b>                                                            | <b>18,610</b>    |       | 36-40           | 2,813         | 15.1% |
| <b>Max Speed:</b>                                                        | <b>71</b> MPH    |       | 41-45           | 563           | 3.0%  |
| <b>85%:</b>                                                              | <b>37.11</b> MPH |       | 46-50           | 120           | 0.6%  |
| Locations where 85% value >34mph<br>are candidate for police enforcement |                  |       | 51-60           | 27            | 0.1%  |
|                                                                          |                  |       | 61-70           | 2             | 0.0%  |
|                                                                          |                  |       | 71+             | 1             | 0.0%  |
|                                                                          |                  |       | <b>Total:</b>   | <b>18,610</b> |       |



| Weekday Hours (Number Of Vehicles) |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MPH                                | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 |
| 50+                                |     |     |     |     |     |     |     |     | 2   |      |       | 1     | 3     | 2     |       |       | 2     | 3     | 2     | 4     | 1     |       | 1     |       |
| 35-49                              | 11  | 5   | 3   | 6   | 7   | 33  | 37  | 155 | 203 | 169  | 124   | 114   | 156   | 160   | 169   | 193   | 267   | 316   | 264   | 142   | 94    | 42    | 40    | 27    |
| 31-34                              | 26  | 12  | 8   | 11  | 12  | 50  | 108 | 320 | 494 | 372  | 368   | 355   | 376   | 405   | 421   | 438   | 593   | 618   | 486   | 316   | 148   | 90    | 58    | 35    |
| 0-30                               | 62  | 11  | 5   | 11  | 13  | 52  | 144 | 352 | 468 | 393  | 426   | 362   | 384   | 417   | 487   | 348   | 398   | 519   | 307   | 308   | 175   | 104   | 92    | 36    |
| Weekend Hours (Number Of Vehicles) |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| MPH                                | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 |
| 50+                                |     |     |     |     | 1   |     |     |     | 1   | 1    | 1     | 1     |       |       |       | 1     |       | 1     |       |       |       | 2     |       |       |
| 35-49                              | 6   | 4   | 4   | 2   | 1   | 7   | 4   | 25  | 38  | 49   | 67    | 58    | 70    | 56    | 35    | 41    | 70    | 51    | 52    | 57    | 27    | 18    | 11    | 6     |
| 31-34                              | 19  | 10  | 3   | 3   | 5   | 7   | 24  | 49  | 50  | 100  | 177   | 152   | 129   | 144   | 64    | 68    | 95    | 113   | 102   | 86    | 36    | 27    | 15    | 11    |
| 0-30                               | 9   | 8   | 4   |     | 3   | 6   | 21  | 33  | 62  | 142  | 112   | 134   | 127   | 132   | 51    | 27    | 79    | 85    | 67    | 102   | 294   | 55    | 30    | 18    |

# Haverhill - Vehicle Speed Analysis

## Bumpstead Road (Northbound)

03 Apr 2016 15:50 to 10 Apr 2016 14:00

| 85% Speeds By Hour By Day |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Date                      | 0-1  | 1-2  | 2-3  | 3-4  | 4-5  | 5-6  | 6-7  | 7-8  | 8-9  | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 |
| Sun 03 Apr                |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       | 36.6  | 36.0  | 38.4  | 37.9  | 22.6  | 32.3  | 34.3  | 36.4  |
| Mon 04 Apr                | 36.1 | 31.9 |      |      | 39.6 | 36.7 | 35.8 | 36.2 | 35.9 | 35.0 | 35.5  | 35.2  | 35.0  | 35.8  | 37.1  | 35.5  | 35.9  | 36.3  | 36.7  | 38.0  | 37.0  | 38.6  | 38.2  | 39.4  |
| Tue 05 Apr                | 37.7 | 37.1 | 33.7 | 35.7 | 35.4 | 38.7 | 34.5 | 36.5 | 35.6 | 36.6 | 35.4  | 36.3  | 36.7  | 36.9  | 35.6  | 37.7  | 36.8  | 36.7  | 37.3  | 36.6  | 37.8  | 35.1  | 36.6  | 37.3  |
| Wed 06 Apr                | 35.7 | 36.4 |      | 37.1 | 38.6 | 37.4 | 33.0 | 36.3 | 34.6 | 36.2 | 35.8  | 35.9  | 35.8  | 36.3  | 36.2  | 35.6  | 36.8  | 36.8  | 37.8  | 35.6  | 36.0  | 37.5  | 38.8  | 36.9  |
| Thu 07 Apr                | 34.4 | 32.5 | 36.2 | 37.7 | 42.3 | 37.1 | 36.0 | 36.6 | 36.5 | 36.2 | 35.2  | 34.1  | 35.8  | 35.6  | 36.1  | 36.7  | 37.1  | 36.1  | 37.2  | 36.2  | 35.2  | 35.6  | 36.4  | 37.4  |
| Fri 08 Apr                | 24.4 | 37.0 | 38.7 | 34.2 | 35.7 | 39.0 | 36.4 | 36.6 | 36.2 | 36.6 | 34.0  | 36.2  | 36.8  | 35.4  | 36.0  | 36.2  | 37.0  | 36.5  | 37.5  | 36.7  | 36.0  | 35.8  | 36.8  | 36.5  |
| Sat 09 Apr                | 38.3 | 35.7 | 36.0 | 38.7 | 42.1 | 40.4 | 36.3 | 36.3 | 35.9 | 35.9 | 36.6  | 35.4  | 35.7  | 35.7  | 37.3  | 38.4  | 37.8  | 36.9  | 36.5  | 35.7  | 34.2  | 41.5  | 35.7  | 36.0  |
| Sun 10 Apr                | 39.0 | 36.9 | 40.0 | 32.5 | 32.5 | 39.9 | 34.3 | 37.5 | 41.4 | 38.9 | 38.0  | 36.8  | 37.1  | 36.3  | 39.2  |       |       |       |       |       |       |       |       |       |

|  |                                                  |
|--|--------------------------------------------------|
|  | <b>No vehicles detected.</b>                     |
|  | <b>No enforcement applicable.</b>                |
|  | <b>5mph or less over 85% enforceable speed.</b>  |
|  | <b>5 to 10mph over 85% enforceable speed.</b>    |
|  | <b>10mph or more over 85% enforceable speed.</b> |

# Haverhill - Vehicle Speed Analysis

## Bumpstead Road (Northbound)

### 03 Apr 2016 15:50 to 10 Apr 2016 14:00

| Vehicle Count By Hour By Day                             |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|----------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Date                                                     | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 | 5-6 | 6-7 | 7-8 | 8-9 | 9-10 | 10-11 | 11-12 | 12-13 | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | 20-21 | 21-22 | 22-23 | 23-24 |
| Sun 03 Apr                                               |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       | 0     | 92    | 122   | 99    | 96    | 271   | 67    | 19    | 8     |
| Mon 04 Apr                                               | 10  | 9   | 1   | 1   | 2   | 24  | 46  | 165 | 231 | 174  | 185   | 163   | 194   | 237   | 242   | 180   | 248   | 288   | 199   | 127   | 78    | 25    | 34    | 11    |
| Tue 05 Apr                                               | 12  | 3   | 5   | 6   | 12  | 24  | 51  | 149 | 248 | 197  | 173   | 154   | 174   | 187   | 209   | 193   | 287   | 324   | 211   | 175   | 78    | 41    | 42    | 28    |
| Wed 06 Apr                                               | 6   | 8   | 1   | 3   | 9   | 29  | 84  | 187 | 231 | 181  | 181   | 144   | 174   | 180   | 233   | 205   | 240   | 288   | 226   | 170   | 98    | 44    | 39    | 17    |
| Thu 07 Apr                                               | 16  | 2   | 5   | 5   | 4   | 28  | 57  | 169 | 245 | 190  | 198   | 189   | 176   | 191   | 186   | 200   | 216   | 297   | 220   | 145   | 72    | 64    | 41    | 21    |
| Fri 08 Apr                                               | 55  | 6   | 4   | 13  | 5   | 30  | 51  | 157 | 212 | 192  | 181   | 182   | 201   | 189   | 207   | 201   | 269   | 259   | 203   | 153   | 92    | 62    | 35    | 21    |
| Sat 09 Apr                                               | 14  | 13  | 5   | 3   | 8   | 10  | 33  | 61  | 102 | 203  | 197   | 205   | 191   | 178   | 139   | 137   | 152   | 128   | 122   | 149   | 86    | 35    | 37    | 27    |
| Sun 10 Apr                                               | 20  | 9   | 6   | 2   | 2   | 10  | 16  | 46  | 49  | 89   | 160   | 140   | 135   | 154   | 11    |       |       |       |       |       |       |       |       |       |
| Average Vehicle Count By Hour By WeekDay/Weekend/Overall |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| WDay                                                     | 20  | 6   | 3   | 6   | 6   | 27  | 58  | 165 | 233 | 187  | 184   | 166   | 184   | 197   | 215   | 196   | 252   | 291   | 212   | 154   | 84    | 47    | 38    | 20    |
| WEnd                                                     | 17  | 11  | 6   | 3   | 5   | 10  | 25  | 54  | 76  | 146  | 179   | 173   | 163   | 166   | 75    | 117   | 122   | 125   | 111   | 123   | 179   | 51    | 28    | 18    |
| OAll                                                     | 19  | 7   | 4   | 5   | 6   | 22  | 48  | 133 | 188 | 175  | 182   | 168   | 178   | 188   | 175   | 181   | 215   | 244   | 183   | 145   | 111   | 48    | 35    | 19    |