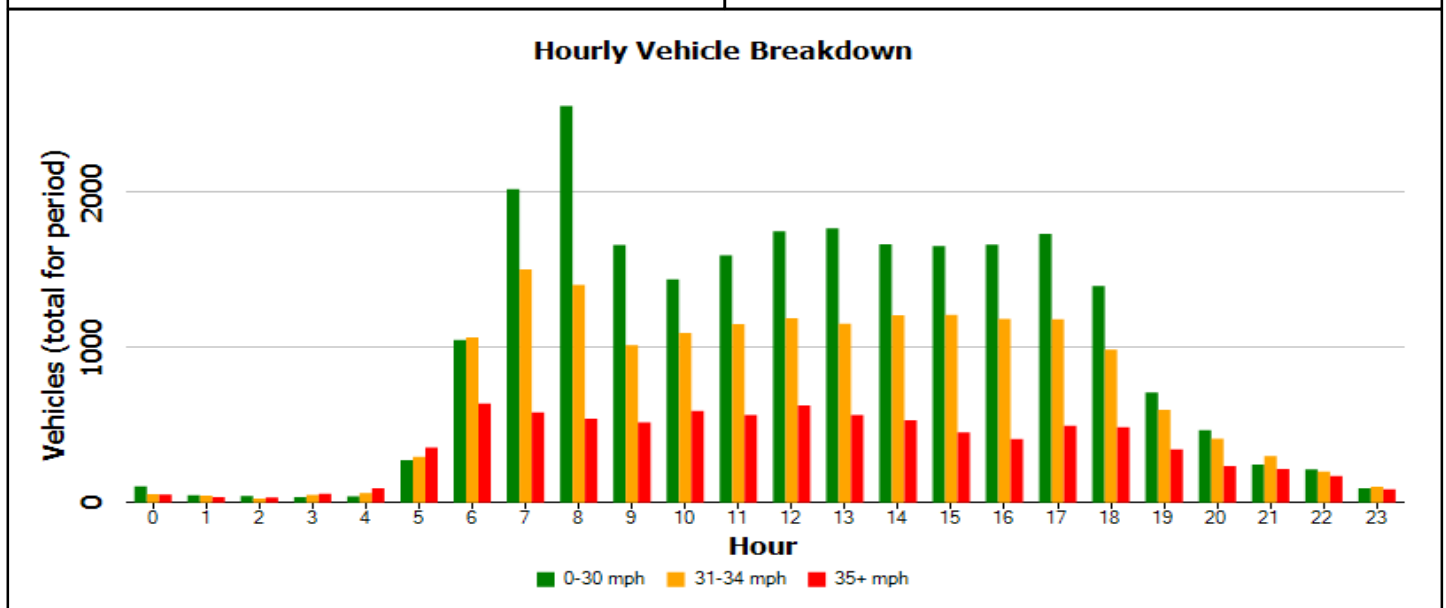


# Haverhill - Vehicle Speed Analysis

## Bumpstead Road (Southbound)

02 Dec 2018 19:35 to 16 Dec 2018 13:15

| Speeding Summary                                                         |                  |       | Speed Breakdown |               |       |
|--------------------------------------------------------------------------|------------------|-------|-----------------|---------------|-------|
| Speed (MPH)                                                              | Vehicles         | %age  | Speed (MPH)     | Vehicles      | %age  |
| 0-30                                                                     | 24,190           | 48.1% | 0-20            | 3,151         | 6.3%  |
| 31-34                                                                    | 17,468           | 34.7% | 21-25           | 5,430         | 10.8% |
| 35-49                                                                    | 8,545            | 17.0% | 26-30           | 15,609        | 31.0% |
| 50+                                                                      | 111              | 0.2%  | 31-34           | 17,468        | 34.7% |
| <b>Total:</b>                                                            | <b>50,314</b>    |       | 36-40           | 6,623         | 13.2% |
| <b>Max Speed:</b>                                                        | <b>71</b> MPH    |       | 41-45           | 1,599         | 3.2%  |
| <b>85%:</b>                                                              | <b>36.30</b> MPH |       | 46-50           | 323           | 0.6%  |
| Locations where 85% value >34mph<br>are candidate for police enforcement |                  |       | 51-60           | 100           | 0.2%  |
|                                                                          |                  |       | 61-70           | 8             | 0.0%  |
|                                                                          |                  |       | 71+             | 3             | 0.0%  |
|                                                                          |                  |       | <b>Total:</b>   | <b>50,314</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+                                | 5   |     |     | 3   | 2   | 6   | 12  | 2    | 1    | 1    | 2     | 2     | 1     | 2     | 3     | 1     | 1     | 4     | 3     | 5     | 6     | 6     | 3     | 9     |
| 35-49                              | 18  | 17  | 19  | 39  | 75  | 297 | 549 | 484  | 402  | 333  | 331   | 293   | 351   | 364   | 369   | 323   | 298   | 391   | 385   | 269   | 175   | 168   | 123   | 51    |
| 31-34                              | 22  | 28  | 21  | 36  | 45  | 262 | 979 | 1429 | 1264 | 781  | 772   | 755   | 805   | 884   | 915   | 951   | 977   | 1027  | 824   | 483   | 353   | 244   | 151   | 72    |
| 0-30                               | 64  | 28  | 25  | 31  | 28  | 252 | 925 | 1943 | 2442 | 1442 | 1168  | 1285  | 1471  | 1581  | 1486  | 1470  | 1468  | 1558  | 1232  | 609   | 376   | 192   | 156   | 66    |
| 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   |     | 2   |     |     | 1   | 3    | 2    | 2    | 1     | 2     | 4     |       |       | 1     | 1     | 2     | 1     | 1     | 2     | 2     | 1     | 2     |
| 35-49                              | 28  | 18  | 13  | 12  | 14  | 50  | 75  | 92   | 134  | 180  | 255   | 267   | 270   | 198   | 158   | 126   | 110   | 97    | 96    | 68    | 53    | 40    | 43    | 24    |
| 31-34                              | 33  | 17  | 4   | 13  | 15  | 32  | 84  | 74   | 137  | 232  | 320   | 395   | 382   | 269   | 291   | 259   | 206   | 154   | 162   | 115   | 59    | 56    | 49    | 30    |
| 0-30                               | 39  | 19  | 16  | 5   | 11  | 21  | 123 | 77   | 112  | 218  | 270   | 308   | 277   | 185   | 177   | 182   | 193   | 172   | 163   | 101   | 89    | 52    | 57    | 25    |

# Haverhill - Vehicle Speed Analysis

## Bumpstead Road (Southbound)

02 Dec 2018 19:35 to 16 Dec 2018 13:15

### 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 02 Dec |      |      |      |      |      |      |      |      |      |      |       |       |       |       |       |       |       |       |       | 37.7  | 36.6  | 41.7  | 34.9  | 38.3  |
| Mon 03 Dec | 36.8 | 40.0 | 43.5 | 40.1 | 44.8 | 41.1 | 37.4 | 34.6 | 34.1 | 34.2 | 33.5  | 35.2  | 34.5  | 34.4  | 34.9  | 34.6  | 33.9  | 33.7  | 35.2  | 36.2  | 35.4  | 42.5  | 36.7  | 40.7  |
| Tue 04 Dec | 34.4 | 32.8 | 36.6 | 36.1 | 37.9 | 40.6 | 38.3 | 35.2 | 34.2 | 35.5 | 36.7  | 34.3  | 35.2  | 34.1  | 34.6  | 33.9  | 34.2  | 35.0  | 36.2  | 35.7  | 35.7  | 38.3  | 37.5  | 41.9  |
| Wed 05 Dec | 35.3 | 39.6 | 33.8 | 36.5 | 43.3 | 38.8 | 37.4 | 35.7 | 34.0 | 35.0 | 35.4  | 34.9  | 34.3  | 33.2  | 35.4  | 34.0  | 34.4  | 33.4  | 35.1  | 36.1  | 37.2  | 38.9  | 40.1  | 44.6  |
| Thu 06 Dec | 32.5 | 33.4 | 34.3 | 41.3 | 44.5 | 39.8 | 37.7 | 34.3 | 34.2 | 34.9 | 35.4  | 34.3  | 34.3  | 35.8  | 34.8  | 35.1  | 34.6  | 34.8  | 35.3  | 37.2  | 36.9  | 37.8  | 36.8  | 42.1  |
| Fri 07 Dec | 37.7 | 34.3 | 39.9 | 38.4 | 38.8 | 39.7 | 36.9 | 35.9 | 34.7 | 34.9 | 35.0  | 34.3  | 34.5  | 34.7  | 35.4  | 35.5  | 35.3  | 36.7  | 36.3  | 38.5  | 37.0  | 37.0  | 38.3  | 40.4  |
| Sat 08 Dec | 38.0 | 43.3 | 36.7 | 38.6 | 42.2 | 41.2 | 38.0 | 39.9 | 38.8 | 37.7 | 36.6  | 37.1  | 37.5  | 37.6  | 36.7  | 35.5  | 35.8  | 35.8  | 37.7  | 36.8  | 41.4  | 36.3  | 38.3  | 37.8  |
| Sun 09 Dec | 40.2 | 42.7 | 42.7 | 42.1 | 39.3 | 42.1 | 40.0 | 43.8 | 39.3 | 38.9 | 40.5  | 38.6  | 38.7  | 38.8  | 38.2  | 38.5  | 37.7  | 38.3  | 38.1  | 38.2  | 37.2  | 37.3  | 40.4  | 40.5  |
| Mon 10 Dec | 41.1 | 37.9 | 37.1 | 45.9 | 44.4 | 39.3 | 37.8 | 35.3 | 35.2 | 35.3 | 35.6  | 35.7  | 36.0  | 35.2  | 34.3  | 35.6  | 35.0  | 35.1  | 35.1  | 35.2  | 36.4  | 36.4  | 39.4  | 41.5  |
| Tue 11 Dec | 48.7 | 36.0 | 40.7 | 43.5 | 40.7 | 40.0 | 38.1 | 35.7 | 34.7 | 34.6 | 36.6  | 36.3  | 35.7  | 35.3  | 35.0  | 35.5  | 35.2  | 35.4  | 36.7  | 36.0  | 37.2  | 40.3  | 37.5  | 42.7  |
| Wed 12 Dec | 38.0 | 39.4 | 36.6 | 49.1 | 42.9 | 39.8 | 37.4 | 35.6 | 34.6 | 33.9 | 35.6  | 34.2  | 35.3  | 35.4  | 35.7  | 34.0  | 35.6  | 35.5  | 37.6  | 37.1  | 37.3  | 40.1  | 40.0  | 38.3  |
| Thu 13 Dec | 45.8 | 34.4 | 42.2 | 43.1 | 43.7 | 41.5 | 37.9 | 35.7 | 34.0 | 36.0 | 36.0  | 36.1  | 35.4  | 35.9  | 35.4  | 35.6  | 36.3  | 36.4  | 35.9  | 37.0  | 39.3  | 37.9  | 37.7  | 43.5  |
| Fri 14 Dec | 40.4 | 39.4 | 37.6 | 42.9 | 41.5 | 39.2 | 37.1 | 35.8 | 34.6 | 36.5 | 37.1  | 35.7  | 35.6  | 36.0  | 36.2  | 36.4  | 35.3  | 35.0  | 35.0  | 38.2  | 37.4  | 41.3  | 39.2  | 41.2  |
| Sat 15 Dec | 33.6 | 35.5 | 41.7 | 42.8 | 39.4 | 42.4 | 38.5 | 39.8 | 38.6 | 37.9 | 38.0  | 37.2  | 37.1  | 37.2  | 37.5  | 37.2  | 38.0  | 38.0  | 37.3  | 38.0  | 38.7  | 40.7  | 41.8  | 41.8  |
| Sun 16 Dec | 40.5 | 37.7 | 40.4 | 55.4 | 38.5 | 44.2 | 40.1 | 40.7 | 41.7 | 38.9 | 39.0  | 38.2  | 39.3  | 37.1  |       |       |       |       |       |       |       |       |       |       |

|  |                                                  |
|--|--------------------------------------------------|
|  | <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 (Southbound)

02 Dec 2018 19:35 to 16 Dec 2018 13:15

| 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 02 Dec                                               |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       | 12    | 69    | 40    | 34    | 21    |
| Mon 03 Dec                                               | 9   | 7   | 2   | 13  | 18  | 75  | 249 | 426 | 438 | 266  | 271   | 282   | 275   | 280   | 287   | 246   | 285   | 297   | 203   | 135   | 91    | 50    | 35    | 21    |
| Tue 04 Dec                                               | 12  | 8   | 3   | 11  | 12  | 81  | 231 | 396 | 371 | 234  | 205   | 248   | 242   | 250   | 279   | 275   | 270   | 334   | 252   | 124   | 70    | 64    | 51    | 17    |
| Wed 05 Dec                                               | 10  | 9   | 4   | 13  | 18  | 81  | 233 | 355 | 417 | 239  | 224   | 210   | 239   | 299   | 271   | 289   | 241   | 279   | 222   | 149   | 65    | 65    | 34    | 8     |
| Thu 06 Dec                                               | 10  | 6   | 8   | 11  | 14  | 90  | 267 | 431 | 446 | 269  | 269   | 243   | 285   | 243   | 284   | 303   | 304   | 326   | 276   | 146   | 90    | 72    | 41    | 31    |
| Fri 07 Dec                                               | 8   | 10  | 9   | 11  | 16  | 88  | 249 | 330 | 377 | 255  | 222   | 235   | 262   | 318   | 311   | 315   | 280   | 252   | 262   | 143   | 147   | 69    | 55    | 23    |
| Sat 08 Dec                                               | 30  | 13  | 11  | 7   | 13  | 39  | 75  | 105 | 140 | 213  | 263   | 294   | 260   | 218   | 226   | 217   | 190   | 171   | 152   | 115   | 49    | 41    | 49    | 29    |
| Sun 09 Dec                                               | 23  | 7   | 6   | 8   | 7   | 17  | 56  | 34  | 65  | 107  | 152   | 219   | 184   | 189   | 186   | 155   | 132   | 115   | 113   | 59    | 39    | 36    | 30    | 11    |
| Mon 10 Dec                                               | 13  | 4   | 8   | 8   | 19  | 82  | 256 | 400 | 423 | 290  | 215   | 214   | 263   | 293   | 243   | 260   | 266   | 301   | 232   | 122   | 67    | 67    | 36    | 11    |
| Tue 11 Dec                                               | 8   | 5   | 5   | 12  | 17  | 76  | 234 | 410 | 395 | 237  | 201   | 211   | 255   | 277   | 269   | 235   | 280   | 318   | 230   | 125   | 87    | 56    | 37    | 18    |
| Wed 12 Dec                                               | 14  | 8   | 7   | 8   | 12  | 85  | 278 | 384 | 404 | 258  | 214   | 209   | 235   | 245   | 233   | 283   | 237   | 295   | 259   | 136   | 104   | 64    | 32    | 20    |
| Thu 13 Dec                                               | 17  | 8   | 7   | 10  | 10  | 75  | 233 | 366 | 436 | 243  | 237   | 223   | 269   | 296   | 294   | 260   | 292   | 316   | 271   | 169   | 91    | 59    | 60    | 19    |
| Fri 14 Dec                                               | 8   | 8   | 12  | 12  | 14  | 84  | 235 | 360 | 402 | 266  | 215   | 260   | 303   | 330   | 302   | 279   | 289   | 262   | 237   | 117   | 98    | 44    | 52    | 30    |
| Sat 15 Dec                                               | 23  | 13  | 8   | 13  | 11  | 29  | 89  | 89  | 125 | 210  | 265   | 273   | 278   | 221   | 214   | 196   | 188   | 139   | 157   | 99    | 46    | 33    | 37    | 20    |
| Sun 16 Dec                                               | 24  | 22  | 8   | 4   | 9   | 18  | 63  | 18  | 55  | 102  | 166   | 186   | 211   | 24    |       |       |       |       |       |       |       |       |       |       |
| Average Vehicle Count By Hour By WeekDay/Weekend/Overall |     |     |     |     |     |     |     |     |     |      |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| WDay                                                     | 11  | 7   | 7   | 11  | 15  | 82  | 247 | 386 | 411 | 256  | 227   | 234   | 263   | 283   | 277   | 275   | 274   | 298   | 244   | 137   | 91    | 61    | 43    | 20    |
| WEnd                                                     | 25  | 14  | 8   | 8   | 10  | 26  | 71  | 62  | 96  | 158  | 212   | 243   | 233   | 174   | 209   | 189   | 170   | 142   | 141   | 83    | 51    | 38    | 38    | 20    |
| OAll                                                     | 15  | 9   | 7   | 10  | 14  | 66  | 196 | 293 | 321 | 228  | 223   | 236   | 254   | 253   | 261   | 255   | 250   | 262   | 220   | 123   | 80    | 54    | 42    | 20    |