

Associated Consulting Services (ACS)

Roseville, MN 55113

-- TRAFFIC DATA --

I-494 at France Ave North Ramp\_2023 File Name : I-494 at CSAH-17 France Ave North Ramp\_2023

City: Bloomington

Site Code :

Data Prepared By: ACS

Start Date : 2/8/2023

TURNING MOVEMENT COUNT

Page No : 1

Groups Printed- Cars - Trucks

| Start Time | France Ave Southbound |      |       |      | Off Ramp from WB I-494 Westbound |      |       |      | France Ave Northbound |      |       |      | 78th Street West Eastbound |      |       |      | Int. Total |
|------------|-----------------------|------|-------|------|----------------------------------|------|-------|------|-----------------------|------|-------|------|----------------------------|------|-------|------|------------|
|            | Left                  | Thru | Right | Peds | Left                             | Thru | Right | Peds | Left                  | Thru | Right | Peds | Left                       | Thru | Right | Peds |            |
| 06:00      | 0                     | 41   | 5     | 0    | 18                               | 37   | 61    | 0    | 15                    | 42   | 0     | 0    | 4                          | 0    | 7     | 0    | 230        |
| 06:15      | 0                     | 52   | 10    | 0    | 24                               | 26   | 61    | 0    | 9                     | 54   | 0     | 0    | 3                          | 0    | 11    | 0    | 250        |
| 06:30      | 0                     | 68   | 3     | 0    | 40                               | 23   | 61    | 0    | 8                     | 53   | 0     | 0    | 6                          | 0    | 18    | 0    | 280        |
| 06:45      | 0                     | 84   | 3     | 0    | 43                               | 44   | 114   | 0    | 20                    | 123  | 0     | 0    | 4                          | 0    | 18    | 0    | 453        |
| Total      | 0                     | 245  | 21    | 0    | 125                              | 130  | 297   | 0    | 52                    | 272  | 0     | 0    | 17                         | 0    | 54    | 0    | 1213       |
| 07:00      | 0                     | 74   | 10    | 0    | 39                               | 51   | 135   | 0    | 21                    | 128  | 0     | 0    | 1                          | 0    | 15    | 0    | 474        |
| 07:15      | 0                     | 90   | 9     | 1    | 56                               | 31   | 152   | 0    | 21                    | 135  | 0     | 0    | 6                          | 0    | 18    | 0    | 519        |
| 07:30      | 0                     | 135  | 16    | 0    | 63                               | 74   | 134   | 0    | 28                    | 168  | 0     | 0    | 7                          | 0    | 11    | 0    | 636        |
| 07:45      | 0                     | 160  | 12    | 0    | 58                               | 85   | 172   | 0    | 46                    | 253  | 0     | 0    | 5                          | 0    | 19    | 2    | 812        |
| Total      | 0                     | 459  | 47    | 1    | 216                              | 241  | 593   | 0    | 116                   | 684  | 0     | 0    | 19                         | 0    | 63    | 2    | 2441       |
| 08:00      | 0                     | 117  | 21    | 0    | 62                               | 73   | 200   | 0    | 40                    | 278  | 0     | 0    | 10                         | 0    | 23    | 0    | 824        |
| 08:15      | 0                     | 166  | 26    | 1    | 49                               | 54   | 201   | 0    | 33                    | 269  | 0     | 1    | 18                         | 0    | 25    | 0    | 843        |
| 08:30      | 0                     | 127  | 25    | 1    | 55                               | 58   | 149   | 0    | 34                    | 219  | 0     | 0    | 12                         | 0    | 28    | 0    | 708        |
| 08:45      | 0                     | 201  | 40    | 0    | 58                               | 45   | 187   | 0    | 33                    | 215  | 0     | 0    | 15                         | 0    | 33    | 0    | 827        |
| Total      | 0                     | 611  | 112   | 2    | 224                              | 230  | 737   | 0    | 140                   | 981  | 0     | 1    | 55                         | 0    | 109   | 0    | 3202       |
| 09:00      | 0                     | 159  | 30    | 0    | 56                               | 56   | 170   | 0    | 25                    | 194  | 0     | 0    | 23                         | 0    | 27    | 0    | 740        |
| 09:15      | 0                     | 149  | 31    | 0    | 41                               | 38   | 134   | 0    | 47                    | 170  | 0     | 0    | 28                         | 0    | 47    | 1    | 686        |
| 09:30      | 0                     | 180  | 31    | 1    | 46                               | 45   | 146   | 1    | 29                    | 143  | 0     | 0    | 18                         | 0    | 39    | 0    | 679        |
| 09:45      | 0                     | 186  | 36    | 0    | 51                               | 42   | 137   | 0    | 41                    | 176  | 0     | 0    | 18                         | 0    | 39    | 0    | 726        |
| Total      | 0                     | 674  | 128   | 1    | 194                              | 181  | 587   | 1    | 142                   | 683  | 0     | 0    | 87                         | 0    | 152   | 1    | 2831       |
| 10:00      | 0                     | 183  | 41    | 0    | 58                               | 42   | 119   | 0    | 44                    | 134  | 0     | 0    | 23                         | 0    | 75    | 0    | 719        |
| 10:15      | 0                     | 176  | 29    | 0    | 55                               | 28   | 113   | 0    | 36                    | 138  | 0     | 0    | 39                         | 0    | 61    | 0    | 675        |
| 10:30      | 0                     | 213  | 36    | 0    | 45                               | 17   | 112   | 0    | 31                    | 139  | 0     | 0    | 23                         | 0    | 60    | 0    | 676        |
| 10:45      | 0                     | 221  | 48    | 0    | 42                               | 37   | 133   | 0    | 32                    | 151  | 0     | 0    | 15                         | 0    | 50    | 0    | 729        |
| Total      | 0                     | 793  | 154   | 0    | 200                              | 124  | 477   | 0    | 143                   | 562  | 0     | 0    | 100                        | 0    | 246   | 0    | 2799       |
| 11:00      | 0                     | 225  | 32    | 0    | 48                               | 32   | 166   | 0    | 43                    | 176  | 0     | 0    | 30                         | 0    | 83    | 0    | 835        |
| 11:15      | 0                     | 284  | 37    | 0    | 48                               | 34   | 165   | 0    | 33                    | 210  | 0     | 1    | 27                         | 0    | 85    | 0    | 924        |
| 11:30      | 0                     | 236  | 45    | 0    | 48                               | 58   | 147   | 0    | 46                    | 178  | 0     | 0    | 31                         | 0    | 75    | 0    | 864        |
| 11:45      | 0                     | 231  | 68    | 0    | 54                               | 51   | 164   | 0    | 47                    | 181  | 0     | 0    | 32                         | 0    | 79    | 0    | 907        |
| Total      | 0                     | 976  | 182   | 0    | 198                              | 175  | 642   | 0    | 169                   | 745  | 0     | 1    | 120                        | 0    | 322   | 0    | 3530       |
| 12:00      | 0                     | 263  | 56    | 0    | 52                               | 53   | 125   | 0    | 61                    | 179  | 0     | 0    | 42                         | 0    | 98    | 0    | 929        |
| 12:15      | 0                     | 265  | 48    | 0    | 45                               | 32   | 127   | 0    | 36                    | 207  | 0     | 0    | 50                         | 0    | 83    | 0    | 893        |
| 12:30      | 0                     | 274  | 47    | 0    | 72                               | 38   | 158   | 0    | 33                    | 157  | 0     | 0    | 35                         | 0    | 71    | 0    | 885        |
| 12:45      | 0                     | 277  | 40    | 0    | 50                               | 42   | 139   | 1    | 46                    | 159  | 0     | 0    | 34                         | 0    | 87    | 0    | 875        |
| Total      | 0                     | 1079 | 191   | 0    | 219                              | 165  | 549   | 1    | 176                   | 702  | 0     | 0    | 161                        | 0    | 339   | 0    | 3582       |
| 13:00      | 0                     | 302  | 52    | 0    | 42                               | 39   | 129   | 0    | 36                    | 162  | 0     | 0    | 26                         | 0    | 102   | 0    | 890        |
| 13:15      | 0                     | 315  | 55    | 0    | 48                               | 49   | 103   | 0    | 47                    | 172  | 0     | 0    | 37                         | 0    | 76    | 0    | 902        |
| 13:30      | 0                     | 251  | 49    | 0    | 39                               | 31   | 114   | 0    | 43                    | 156  | 0     | 0    | 33                         | 0    | 80    | 0    | 796        |
| 13:45      | 0                     | 298  | 54    | 1    | 48                               | 35   | 136   | 0    | 46                    | 158  | 0     | 0    | 39                         | 0    | 91    | 0    | 906        |
| Total      | 0                     | 1166 | 210   | 1    | 177                              | 154  | 482   | 0    | 172                   | 648  | 0     | 0    | 135                        | 0    | 349   | 0    | 3494       |
| 14:00      | 0                     | 288  | 44    | 1    | 47                               | 41   | 111   | 0    | 37                    | 135  | 0     | 0    | 35                         | 0    | 99    | 2    | 840        |
| 14:15      | 0                     | 294  | 46    | 0    | 43                               | 49   | 130   | 0    | 38                    | 170  | 0     | 0    | 36                         | 0    | 128   | 1    | 935        |
| 14:30      | 0                     | 331  | 58    | 2    | 55                               | 31   | 107   | 0    | 32                    | 143  | 0     | 0    | 27                         | 0    | 123   | 1    | 910        |

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 City: Bloomington Site Code :  
 Data Prepared By: ACS Start Date : 2/8/2023  
 TURNING MOVEMENT COUNT Page No : 2

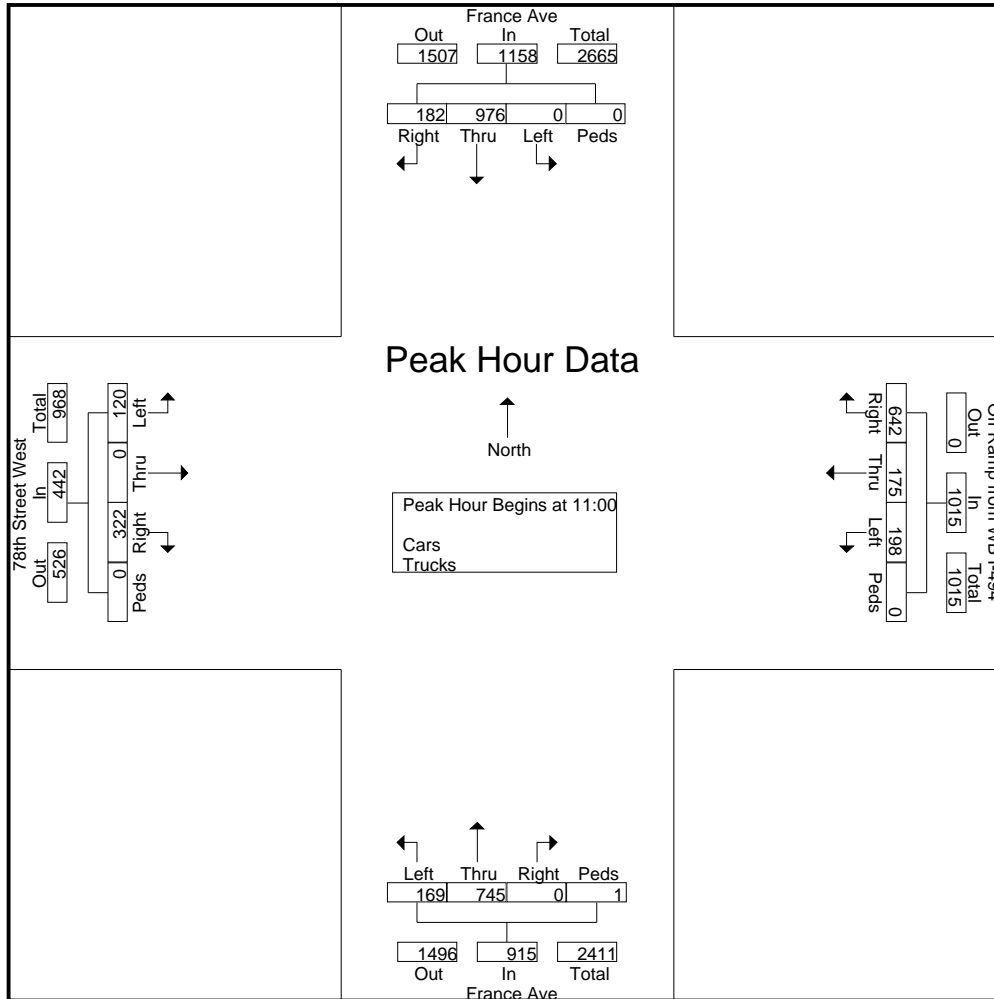
Groups Printed- Cars - Trucks

| Start Time  | France Ave Southbound |       |       |      | Off Ramp from WB I-494 Westbound |      |       |      | France Ave Northbound |      |       |      | 78th Street West Eastbound |      |       |      | Int. Total |
|-------------|-----------------------|-------|-------|------|----------------------------------|------|-------|------|-----------------------|------|-------|------|----------------------------|------|-------|------|------------|
|             | Left                  | Thru  | Right | Peds | Left                             | Thru | Right | Peds | Left                  | Thru | Right | Peds | Left                       | Thru | Right | Peds |            |
| 14:45       | 0                     | 291   | 49    | 3    | 72                               | 42   | 110   | 0    | 38                    | 152  | 0     | 1    | 38                         | 0    | 86    | 0    | 882        |
| Total       | 0                     | 1204  | 197   | 6    | 217                              | 163  | 458   | 0    | 145                   | 600  | 0     | 1    | 136                        | 0    | 436   | 4    | 3567       |
| 15:00       | 0                     | 284   | 55    | 1    | 54                               | 37   | 97    | 0    | 41                    | 169  | 0     | 0    | 30                         | 0    | 107   | 2    | 877        |
| 15:15       | 0                     | 327   | 59    | 2    | 50                               | 43   | 110   | 0    | 40                    | 138  | 0     | 0    | 41                         | 0    | 112   | 2    | 924        |
| 15:30       | 0                     | 321   | 44    | 1    | 55                               | 33   | 113   | 1    | 27                    | 184  | 0     | 0    | 37                         | 0    | 120   | 0    | 936        |
| 15:45       | 0                     | 346   | 43    | 0    | 60                               | 34   | 109   | 0    | 29                    | 140  | 0     | 0    | 40                         | 0    | 106   | 0    | 907        |
| Total       | 0                     | 1278  | 201   | 4    | 219                              | 147  | 429   | 1    | 137                   | 631  | 0     | 0    | 148                        | 0    | 445   | 4    | 3644       |
| 16:00       | 0                     | 395   | 56    | 0    | 65                               | 41   | 90    | 1    | 32                    | 132  | 0     | 0    | 39                         | 0    | 107   | 1    | 959        |
| 16:15       | 0                     | 417   | 48    | 0    | 58                               | 43   | 95    | 0    | 35                    | 175  | 0     | 0    | 35                         | 0    | 120   | 0    | 1026       |
| 16:30       | 0                     | 426   | 52    | 1    | 50                               | 28   | 93    | 0    | 42                    | 154  | 0     | 0    | 35                         | 0    | 103   | 1    | 985        |
| 16:45       | 0                     | 402   | 51    | 0    | 53                               | 36   | 106   | 0    | 30                    | 160  | 0     | 0    | 53                         | 0    | 113   | 0    | 1004       |
| Total       | 0                     | 1640  | 207   | 1    | 226                              | 148  | 384   | 1    | 139                   | 621  | 0     | 0    | 162                        | 0    | 443   | 2    | 3974       |
| 17:00       | 0                     | 383   | 51    | 1    | 37                               | 38   | 110   | 0    | 40                    | 170  | 0     | 0    | 45                         | 0    | 122   | 0    | 997        |
| 17:15       | 0                     | 443   | 47    | 1    | 41                               | 35   | 92    | 1    | 35                    | 168  | 0     | 0    | 41                         | 0    | 133   | 1    | 1038       |
| 17:30       | 0                     | 348   | 47    | 0    | 46                               | 29   | 100   | 0    | 31                    | 184  | 0     | 0    | 47                         | 0    | 102   | 0    | 934        |
| 17:45       | 0                     | 308   | 56    | 1    | 58                               | 43   | 110   | 0    | 29                    | 158  | 0     | 0    | 29                         | 0    | 98    | 2    | 892        |
| Total       | 0                     | 1482  | 201   | 3    | 182                              | 145  | 412   | 1    | 135                   | 680  | 0     | 0    | 162                        | 0    | 455   | 3    | 3861       |
| Grand Total | 0                     | 11607 | 1851  | 19   | 2397                             | 2003 | 6047  | 5    | 1666                  | 7809 | 0     | 3    | 1302                       | 0    | 3413  | 16   | 38138      |
| Apprch %    | 0                     | 86.1  | 13.7  | 0.1  | 22.9                             | 19.2 | 57.9  | 0    | 17.6                  | 82.4 | 0     | 0    | 27.5                       | 0    | 72.1  | 0.3  |            |
| Total %     | 0                     | 30.4  | 4.9   | 0    | 6.3                              | 5.3  | 15.9  | 0    | 4.4                   | 20.5 | 0     | 0    | 3.4                        | 0    | 8.9   | 0    |            |
| Cars        | 0                     | 11449 | 1838  | 19   | 2330                             | 1966 | 5965  | 5    | 1643                  | 7719 | 0     | 3    | 1290                       | 0    | 3356  | 16   | 37599      |
| % Cars      | 0                     | 98.6  | 99.3  | 100  | 97.2                             | 98.2 | 98.6  | 100  | 98.6                  | 98.8 | 0     | 100  | 99.1                       | 0    | 98.3  | 100  | 98.6       |
| Trucks      | 0                     | 158   | 13    | 0    | 67                               | 37   | 82    | 0    | 23                    | 90   | 0     | 0    | 12                         | 0    | 57    | 0    | 539        |
| % Trucks    | 0                     | 1.4   | 0.7   | 0    | 2.8                              | 1.8  | 1.4   | 0    | 1.4                   | 1.2  | 0     | 0    | 0.9                        | 0    | 1.7   | 0    | 1.4        |

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 Data Prepared By: ACS Start Date : 2/8/2023  
 TURNING MOVEMENT COUNT Page No : 3

| Start Time   | France Ave Southbound |      |       |      |            | Off Ramp from WB I-494 Westbound |      |       |      |            | France Ave Northbound |      |       |      |            | 78th Street West Eastbound |      |       |      |            | Int. Total |
|--|-----------------------|------|-------|------|------------|----------------------------------|------|-------|------|------------|-----------------------|------|-------|------|------------|----------------------------|------|-------|------|------------|------------|
|  | Left                  | Thru | Right | Peds | App. Total | Left                             | Thru | Right | Peds | App. Total | Left                  | Thru | Right | Peds | App. Total | Left                       | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 06:00 to 11:45 - Peak 1 of 1 |                       |      |       |      |            |                                  |      |       |      |            |                       |      |       |      |            |                            |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 11:00    |                       |      |       |      |            |                                  |      |       |      |            |                       |      |       |      |            |                            |      |       |      |            |            |
| 11:00  | 0                     | 225  | 32    | 0    | 257        | 48                               | 32   | 166   | 0    | 246        | 43                    | 176  | 0     | 0    | 219        | 30                         | 0    | 83    | 0    | 113        | 835        |
| 11:15  | 0                     | 284  | 37    | 0    | 321        | 48                               | 34   | 165   | 0    | 247        | 33                    | 210  | 0     | 1    | 244        | 27                         | 0    | 85    | 0    | 112        | 924        |
| 11:30  | 0                     | 236  | 45    | 0    | 281        | 48                               | 58   | 147   | 0    | 253        | 46                    | 178  | 0     | 0    | 224        | 31                         | 0    | 75    | 0    | 106        | 864        |
| 11:45  | 0                     | 231  | 68    | 0    | 299        | 54                               | 51   | 164   | 0    | 269        | 47                    | 181  | 0     | 0    | 228        | 32                         | 0    | 79    | 0    | 111        | 907        |
| Total Volume   | 0                     | 976  | 182   | 0    | 1158       | 198                              | 175  | 642   | 0    | 1015       | 169                   | 745  | 0     | 1    | 915        | 120                        | 0    | 322   | 0    | 442        | 3530       |
| % App. Total   | 0                     | 84.3 | 15.7  | 0    |            | 19.5                             | 17.2 | 63.3  | 0    |            | 18.5                  | 81.4 | 0     | 0.1  |            | 27.1                       | 0    | 72.9  | 0    |            |            |
| PHF  | .000                  | .859 | .669  | .000 | .902       | .917                             | .754 | .967  | .000 | .943       | .899                  | .887 | .000  | .250 | .938       | .938                       | .000 | .947  | .000 | .978       | .955       |



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 Data Prepared By: ACS Start Date : 2/8/2023  
 TURNING MOVEMENT COUNT Page No : 4

| Start Time   | France Ave Southbound |      |       |      |            | Off Ramp from WB I-494 Westbound |      |       |      |            | France Ave Northbound |      |       |      |            | 78th Street West Eastbound |      |       |      |            | Int. Total |
|--|-----------------------|------|-------|------|------------|----------------------------------|------|-------|------|------------|-----------------------|------|-------|------|------------|----------------------------|------|-------|------|------------|------------|
|  | Left                  | Thru | Right | Peds | App. Total | Left                             | Thru | Right | Peds | App. Total | Left                  | Thru | Right | Peds | App. Total | Left                       | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 12:00 to 17:45 - Peak 1 of 1 |                       |      |       |      |            |                                  |      |       |      |            |                       |      |       |      |            |                            |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 16:30    |                       |      |       |      |            |                                  |      |       |      |            |                       |      |       |      |            |                            |      |       |      |            |            |
| 16:30  | 0                     | 426  | 52    | 1    | 479        | 50                               | 28   | 93    | 0    | 171        | 42                    | 154  | 0     | 0    | 196        | 35                         | 0    | 103   | 1    | 139        | 985        |
| 16:45  | 0                     | 402  | 51    | 0    | 453        | 53                               | 36   | 106   | 0    | 195        | 30                    | 160  | 0     | 0    | 190        | 53                         | 0    | 113   | 0    | 166        | 1004       |
| 17:00  | 0                     | 383  | 51    | 1    | 435        | 37                               | 38   | 110   | 0    | 185        | 40                    | 170  | 0     | 0    | 210        | 45                         | 0    | 122   | 0    | 167        | 997        |
| 17:15  | 0                     | 443  | 47    | 1    | 491        | 41                               | 35   | 92    | 1    | 169        | 35                    | 168  | 0     | 0    | 203        | 41                         | 0    | 133   | 1    | 175        | 1038       |
| Total Volume   | 0                     | 1654 | 201   | 3    | 1858       | 181                              | 137  | 401   | 1    | 720        | 147                   | 652  | 0     | 0    | 799        | 174                        | 0    | 471   | 2    | 647        | 4024       |
| % App. Total   | 0                     | 89   | 10.8  | 0.2  |            | 25.1                             | 19   | 55.7  | 0.1  |            | 18.4                  | 81.6 | 0     | 0    |            | 26.9                       | 0    | 72.8  | 0.3  |            |            |
| PHF  | .000                  | .933 | .966  | .750 | .946       | .854                             | .901 | .911  | .250 | .923       | .875                  | .959 | .000  | .000 | .951       | .821                       | .000 | .885  | .500 | .924       | .969       |

