

# Albeck Gerken, Inc

Transportation Engineers

Traffic Data Collection

I-35 at 185th St W , west ramp

Lakeville, MN

Ref.Pt.: 084.325

TURN MOVEMENT COUNT

File Name : 30 I-35 West Ramp at CR 60 (185th St)

Site Code : 30

Start Date : 1/13/2012

Page No : 1

## Groups Printed- Cars - Heavy Vehicles

| Start Time | ramp from I-35 SB Southbound |      |       |      | 185th St W / CSAH-60 Westbound |      |       |      | ramp to I-35 SB Northbound |      |       |      | 185th St W / CSAH-60 Eastbound |      |       |      | Int. Total |
|------------|------------------------------|------|-------|------|--------------------------------|------|-------|------|----------------------------|------|-------|------|--------------------------------|------|-------|------|------------|
|            | Left                         | Thru | Right | Peds | Left                           | Thru | Right | Peds | Left                       | Thru | Right | Peds | Left                           | Thru | Right | Peds |            |
| 06:00      | 15                           | 1    | 18    | 0    | 6                              | 16   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 90   | 7     | 0    | 153        |
| 06:15      | 31                           | 0    | 31    | 0    | 9                              | 58   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 189  | 16    | 0    | 334        |
| 06:30      | 28                           | 0    | 44    | 0    | 8                              | 79   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 202  | 9     | 0    | 370        |
| 06:45      | 43                           | 0    | 55    | 0    | 13                             | 102  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 231  | 30    | 0    | 474        |
| Total      | 117                          | 1    | 148   | 0    | 36                             | 255  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 712  | 62    | 0    | 1331       |
| 07:00      | 40                           | 1    | 40    | 0    | 15                             | 88   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 259  | 20    | 0    | 463        |
| 07:15      | 40                           | 0    | 67    | 0    | 20                             | 105  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 264  | 30    | 0    | 526        |
| 07:30      | 45                           | 0    | 57    | 0    | 18                             | 73   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 267  | 34    | 0    | 494        |
| 07:45      | 51                           | 0    | 65    | 0    | 3                              | 87   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 283  | 40    | 0    | 529        |
| Total      | 176                          | 1    | 229   | 0    | 56                             | 353  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 1073 | 124   | 0    | 2012       |
| 08:00      | 34                           | 0    | 57    | 0    | 18                             | 85   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 231  | 20    | 0    | 445        |
| 08:15      | 47                           | 0    | 53    | 0    | 12                             | 64   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 181  | 17    | 0    | 374        |
| 08:30      | 28                           | 0    | 51    | 0    | 8                              | 63   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 176  | 19    | 0    | 345        |
| 08:45      | 49                           | 0    | 52    | 0    | 4                              | 63   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 173  | 12    | 0    | 353        |
| Total      | 158                          | 0    | 213   | 0    | 42                             | 275  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 761  | 68    | 0    | 1517       |
| 09:00      | 40                           | 0    | 53    | 0    | 11                             | 48   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 160  | 7     | 0    | 319        |
| 09:15      | 40                           | 0    | 67    | 0    | 10                             | 51   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 166  | 19    | 0    | 353        |
| 09:30      | 36                           | 2    | 59    | 0    | 12                             | 45   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 160  | 9     | 0    | 323        |
| 09:45      | 53                           | 0    | 43    | 0    | 12                             | 50   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 141  | 13    | 0    | 312        |
| Total      | 169                          | 2    | 222   | 0    | 45                             | 194  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 627  | 48    | 0    | 1307       |
| 10:00      | 30                           | 1    | 43    | 0    | 7                              | 43   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 105  | 9     | 0    | 238        |
| 10:15      | 26                           | 3    | 39    | 0    | 6                              | 45   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 133  | 9     | 0    | 261        |
| 10:30      | 52                           | 1    | 58    | 0    | 9                              | 50   | 0     | 0    | 0                          | 0    | 0     | 1    | 0                              | 121  | 7     | 0    | 299        |
| 10:45      | 49                           | 2    | 56    | 0    | 12                             | 47   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 122  | 9     | 0    | 297        |
| Total      | 157                          | 7    | 196   | 0    | 34                             | 185  | 0     | 0    | 0                          | 0    | 0     | 1    | 0                              | 481  | 34    | 0    | 1095       |
| 11:00      | 36                           | 2    | 55    | 0    | 10                             | 47   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 134  | 10    | 0    | 294        |
| 11:15      | 53                           | 0    | 57    | 1    | 17                             | 55   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 137  | 8     | 0    | 328        |
| 11:30      | 60                           | 0    | 59    | 0    | 11                             | 52   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 136  | 15    | 0    | 333        |
| 11:45      | 63                           | 0    | 59    | 1    | 18                             | 55   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 97   | 10    | 0    | 303        |
| Total      | 212                          | 2    | 230   | 2    | 56                             | 209  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 504  | 43    | 0    | 1258       |
| 12:00      | 48                           | 0    | 77    | 0    | 14                             | 66   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 94   | 8     | 0    | 307        |
| 12:15      | 73                           | 2    | 75    | 3    | 13                             | 60   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 122  | 11    | 0    | 359        |
| 12:30      | 59                           | 1    | 54    | 0    | 20                             | 60   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 133  | 9     | 0    | 336        |
| 12:45      | 65                           | 0    | 72    | 0    | 15                             | 64   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 114  | 15    | 0    | 345        |
| Total      | 245                          | 3    | 278   | 3    | 62                             | 250  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 463  | 43    | 0    | 1347       |
| 13:00      | 61                           | 0    | 82    | 1    | 18                             | 70   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 121  | 9     | 0    | 362        |
| 13:15      | 54                           | 0    | 82    | 0    | 12                             | 56   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 101  | 11    | 0    | 316        |
| 13:30      | 67                           | 0    | 76    | 1    | 17                             | 59   | 0     | 1    | 0                          | 0    | 0     | 0    | 0                              | 99   | 12    | 0    | 332        |
| 13:45      | 76                           | 0    | 93    | 1    | 18                             | 57   | 0     | 1    | 0                          | 0    | 0     | 0    | 0                              | 84   | 11    | 0    | 341        |
| Total      | 258                          | 0    | 333   | 3    | 65                             | 242  | 0     | 2    | 0                          | 0    | 0     | 0    | 0                              | 405  | 43    | 0    | 1351       |
| 14:00      | 71                           | 1    | 86    | 1    | 24                             | 62   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 119  | 7     | 0    | 371        |
| 14:15      | 60                           | 0    | 96    | 0    | 22                             | 71   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 109  | 18    | 0    | 376        |
| 14:30      | 72                           | 2    | 91    | 0    | 16                             | 75   | 0     | 0    | 0                          | 0    | 0     | 2    | 0                              | 130  | 17    | 0    | 405        |
| 14:45      | 92                           | 0    | 101   | 0    | 23                             | 116  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 140  | 20    | 0    | 492        |
| Total      | 295                          | 3    | 374   | 1    | 85                             | 324  | 0     | 0    | 0                          | 0    | 0     | 2    | 0                              | 498  | 62    | 0    | 1644       |
| 15:00      | 110                          | 1    | 124   | 1    | 25                             | 86   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 115  | 20    | 0    | 482        |
| 15:15      | 88                           | 1    | 123   | 0    | 29                             | 102  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 142  | 14    | 0    | 499        |
| 15:30      | 113                          | 6    | 152   | 0    | 24                             | 89   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 140  | 15    | 0    | 539        |
| 15:45      | 126                          | 1    | 158   | 0    | 26                             | 91   | 0     | 0    | 0                          | 0    | 0     | 1    | 0                              | 176  | 18    | 0    | 597        |
| Total      | 437                          | 9    | 557   | 1    | 104                            | 368  | 0     | 0    | 0                          | 0    | 0     | 1    | 0                              | 573  | 67    | 0    | 2117       |

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I-35 at 185th St W , west ramp  
 Lakeville, MN  
 Ref.Pt.: 084.325  
 TURN MOVEMENT COUNT

File Name : 30 I-35 West Ramp at CR 60 (185th St)  
 Site Code : 30  
 Start Date : 1/13/2012  
 Page No : 2

Groups Printed- Cars - Heavy Vehicles

| Start Time       | ramp from I-35 SB Southbound |      |       |      | 185th St W / CSAH-60 Westbound |      |       |      | ramp to I-35 SB Northbound |      |       |      | 185th St W / CSAH-60 Eastbound |      |       |      | Int. Total |
|------------------|------------------------------|------|-------|------|--------------------------------|------|-------|------|----------------------------|------|-------|------|--------------------------------|------|-------|------|------------|
|                  | Left                         | Thru | Right | Peds | Left                           | Thru | Right | Peds | Left                       | Thru | Right | Peds | Left                           | Thru | Right | Peds |            |
| 16:00            | 142                          | 2    | 202   | 2    | 29                             | 96   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 167  | 21    | 0    | 661        |
| 16:15            | 142                          | 5    | 191   | 0    | 56                             | 129  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 150  | 29    | 0    | 702        |
| 16:30            | 128                          | 3    | 185   | 0    | 45                             | 126  | 1     | 0    | 0                          | 0    | 0     | 0    | 0                              | 183  | 33    | 0    | 704        |
| 16:45            | 172                          | 5    | 203   | 1    | 44                             | 121  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 168  | 27    | 0    | 741        |
| Total            | 584                          | 15   | 781   | 3    | 174                            | 472  | 1     | 0    | 0                          | 0    | 0     | 0    | 0                              | 668  | 110   | 0    | 2808       |
| 17:00            | 144                          | 0    | 190   | 0    | 30                             | 111  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 185  | 20    | 0    | 680        |
| 17:15            | 130                          | 0    | 181   | 0    | 39                             | 114  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 205  | 29    | 0    | 698        |
| 17:30            | 162                          | 0    | 210   | 0    | 57                             | 112  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 191  | 31    | 0    | 763        |
| 17:45            | 131                          | 0    | 173   | 0    | 23                             | 98   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 157  | 25    | 0    | 607        |
| Total            | 567                          | 0    | 754   | 0    | 149                            | 435  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 738  | 105   | 0    | 2748       |
| 18:00            | 116                          | 0    | 161   | 1    | 30                             | 96   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 137  | 19    | 0    | 560        |
| 18:15            | 111                          | 0    | 120   | 0    | 40                             | 100  | 1     | 0    | 0                          | 0    | 0     | 0    | 0                              | 176  | 22    | 0    | 570        |
| 18:30            | 95                           | 0    | 118   | 1    | 33                             | 94   | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 137  | 16    | 0    | 494        |
| 18:45            | 115                          | 1    | 114   | 1    | 36                             | 79   | 0     | 0    | 0                          | 0    | 0     | 1    | 0                              | 141  | 16    | 0    | 504        |
| Total            | 437                          | 1    | 513   | 3    | 139                            | 369  | 1     | 0    | 0                          | 0    | 0     | 1    | 0                              | 591  | 73    | 0    | 2128       |
| Grand Total      | 3812                         | 44   | 4828  | 16   | 1047                           | 3931 | 2     | 2    | 0                          | 0    | 0     | 5    | 0                              | 8094 | 882   | 0    | 22663      |
| Apprch %         | 43.8                         | 0.5  | 55.5  | 0.2  | 21                             | 78.9 | 0     | 0    | 0                          | 0    | 0     | 100  | 0                              | 90.2 | 9.8   | 0    |            |
| Total %          | 16.8                         | 0.2  | 21.3  | 0.1  | 4.6                            | 17.3 | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 35.7 | 3.9   | 0    |            |
| Cars             | 3691                         | 38   | 4602  | 15   | 1032                           | 3754 | 2     | 2    | 0                          | 0    | 0     | 5    | 0                              | 7791 | 810   | 0    | 21742      |
| % Cars           | 96.8                         | 86.4 | 95.3  | 93.8 | 98.6                           | 95.5 | 100   | 100  | 0                          | 0    | 0     | 100  | 0                              | 96.3 | 91.8  | 0    | 95.9       |
| Heavy Vehicles   | 121                          | 6    | 226   | 1    | 15                             | 177  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 303  | 72    | 0    | 921        |
| % Heavy Vehicles | 3.2                          | 13.6 | 4.7   | 6.2  | 1.4                            | 4.5  | 0     | 0    | 0                          | 0    | 0     | 0    | 0                              | 3.7  | 8.2   | 0    | 4.1        |

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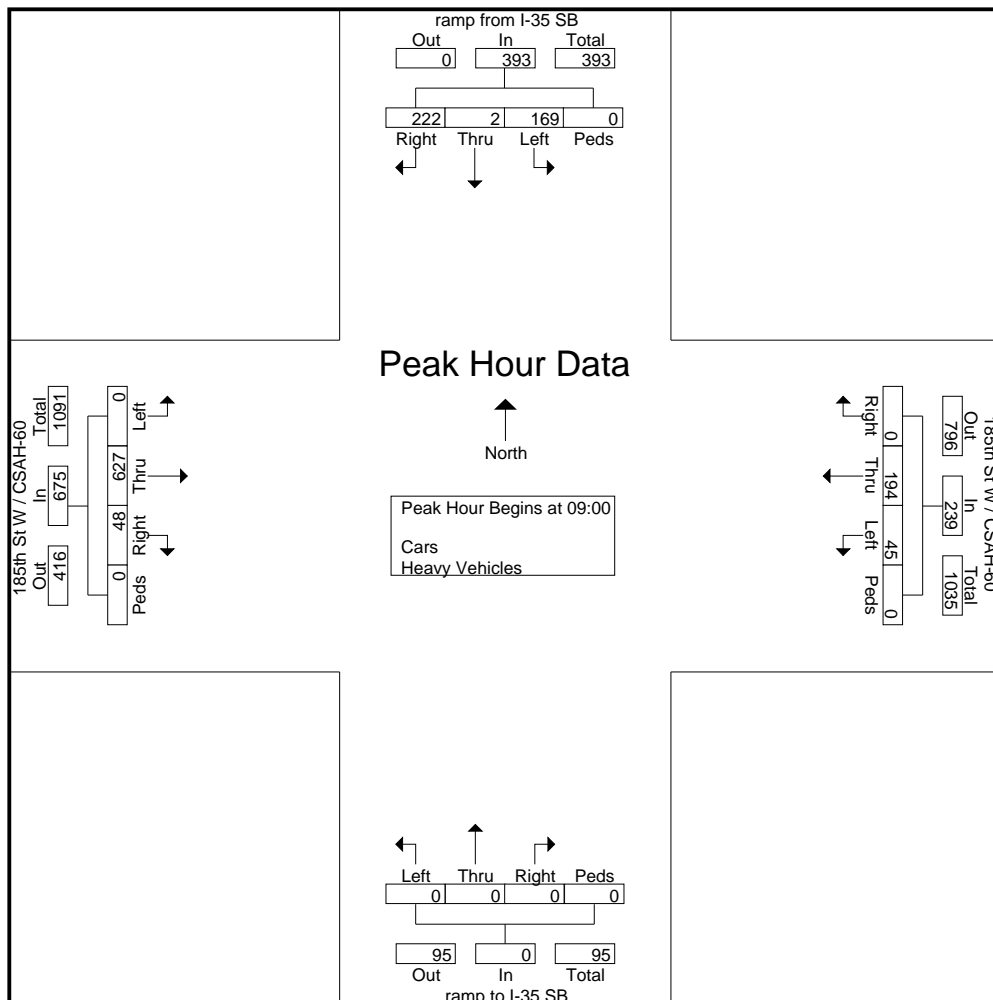
Transportation Engineers

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File Name : 30 I-35 West Ramp at CR 60 (185th St)  
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| Start Time   | ramp from I-35 SB Southbound |      |       |      |            | 185th St W / CSAH-60 Westbound |      |       |      |            | ramp to I-35 SB Northbound |      |       |      |            | 185th St W / CSAH-60 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 09:00 to 11:45 - Peak 1 of 1 |                              |      |       |      |            |                                |      |       |      |            |                            |      |       |      |            |                                |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 09:00    |                              |      |       |      |            |                                |      |       |      |            |                            |      |       |      |            |                                |      |       |      |            |            |
| 09:00  | 40                           | 0    | 53    | 0    | 93         | 11                             | 48   | 0     | 0    | 59         | 0                          | 0    | 0     | 0    | 0          | 0                              | 160  | 7     | 0    | 167        | 319        |
| 09:15  | 40                           | 0    | 67    | 0    | 107        | 10                             | 51   | 0     | 0    | 61         | 0                          | 0    | 0     | 0    | 0          | 0                              | 166  | 19    | 0    | 185        | 353        |
| 09:30  | 36                           | 2    | 59    | 0    | 97         | 12                             | 45   | 0     | 0    | 57         | 0                          | 0    | 0     | 0    | 0          | 0                              | 160  | 9     | 0    | 169        | 323        |
| 09:45  | 53                           | 0    | 43    | 0    | 96         | 12                             | 50   | 0     | 0    | 62         | 0                          | 0    | 0     | 0    | 0          | 0                              | 141  | 13    | 0    | 154        | 312        |
| Total Volume   | 169                          | 2    | 222   | 0    | 393        | 45                             | 194  | 0     | 0    | 239        | 0                          | 0    | 0     | 0    | 0          | 0                              | 627  | 48    | 0    | 675        | 1307       |
| % App. Total   | 43                           | 0.5  | 56.5  | 0    |            | 18.8                           | 81.2 | 0     | 0    |            | 0                          | 0    | 0     | 0    | 0          | 0                              | 92.9 | 7.1   | 0    |            |            |
| PHF  | .797                         | .250 | .828  | .000 | .918       | .938                           | .951 | .000  | .000 | .964       | .000                       | .000 | .000  | .000 | .000       | .000                           | .944 | .632  | .000 | .912       | .926       |



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| Start Time   | ramp from I-35 SB Southbound |      |       |      |            | 185th St W / CSAH-60 Westbound |      |       |      |            | ramp to I-35 SB Northbound |      |       |      |            | 185th St W / CSAH-60 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 15:00 to 18:45 - Peak 1 of 1 |                              |      |       |      |            |                                |      |       |      |            |                            |      |       |      |            |                                |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 16:45    |                              |      |       |      |            |                                |      |       |      |            |                            |      |       |      |            |                                |      |       |      |            |            |
| 16:45  | 172                          | 5    | 203   | 1    | 381        | 44                             | 121  | 0     | 0    | 165        | 0                          | 0    | 0     | 0    | 0          | 0                              | 168  | 27    | 0    | 195        | 741        |
| 17:00  | 144                          | 0    | 190   | 0    | 334        | 30                             | 111  | 0     | 0    | 141        | 0                          | 0    | 0     | 0    | 0          | 0                              | 185  | 20    | 0    | 205        | 680        |
| 17:15  | 130                          | 0    | 181   | 0    | 311        | 39                             | 114  | 0     | 0    | 153        | 0                          | 0    | 0     | 0    | 0          | 0                              | 205  | 29    | 0    | 234        | 698        |
| 17:30  | 162                          | 0    | 210   | 0    | 372        | 57                             | 112  | 0     | 0    | 169        | 0                          | 0    | 0     | 0    | 0          | 0                              | 191  | 31    | 0    | 222        | 763        |
| Total Volume   | 608                          | 5    | 784   | 1    | 1398       | 170                            | 458  | 0     | 0    | 628        | 0                          | 0    | 0     | 0    | 0          | 0                              | 749  | 107   | 0    | 856        | 2882       |
| % App. Total   | 43.5                         | 0.4  | 56.1  | 0.1  |            | 27.1                           | 72.9 | 0     | 0    |            | 0                          | 0    | 0     | 0    | 0          | 0                              | 87.5 | 12.5  | 0    |            |            |
| PHF  | .884                         | .250 | .933  | .250 | .917       | .746                           | .946 | .000  | .000 | .929       | .000                       | .000 | .000  | .000 | .000       | .000                           | .913 | .863  | .000 | .915       | .944       |

