

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Tri-City Park / Golden Avenue  
 Weather: Clear

File Name : 01PLAKRGOAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

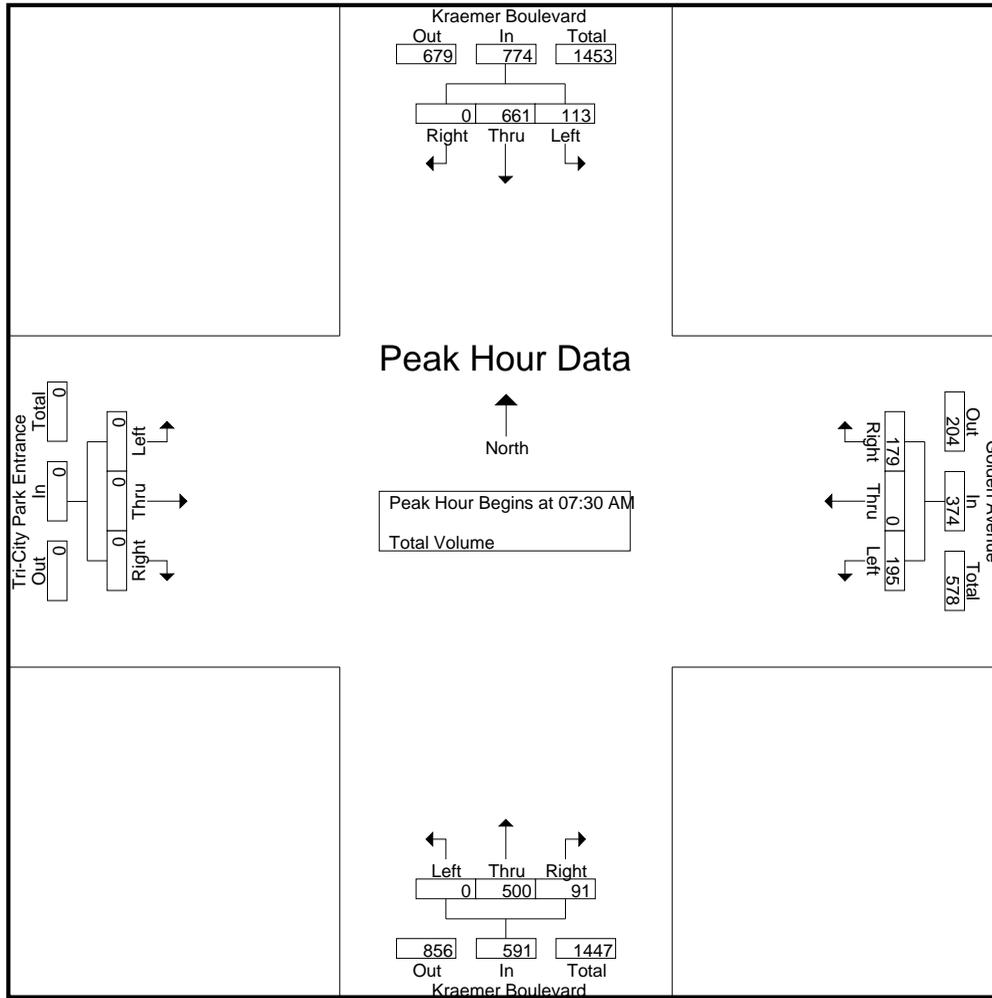
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Tri-City Park Entrance Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| 07:00 AM    | 3                            | 141  | 0     | 144        | 36                      | 0    | 26    | 62         | 0                            | 70   | 11    | 81         | 0                                | 0    | 0     | 0          | 287        |
| 07:15 AM    | 15                           | 166  | 0     | 181        | 33                      | 0    | 31    | 64         | 0                            | 88   | 22    | 110        | 0                                | 0    | 0     | 0          | 355        |
| 07:30 AM    | 60                           | 197  | 0     | 257        | 48                      | 0    | 34    | 82         | 0                            | 91   | 35    | 126        | 0                                | 0    | 0     | 0          | 465        |
| 07:45 AM    | 39                           | 151  | 0     | 190        | 50                      | 0    | 88    | 138        | 0                            | 170  | 23    | 193        | 0                                | 0    | 0     | 0          | 521        |
| Total       | 117                          | 655  | 0     | 772        | 167                     | 0    | 179   | 346        | 0                            | 419  | 91    | 510        | 0                                | 0    | 0     | 0          | 1628       |
| 08:00 AM    | 5                            | 150  | 0     | 155        | 50                      | 0    | 25    | 75         | 0                            | 104  | 15    | 119        | 0                                | 0    | 0     | 0          | 349        |
| 08:15 AM    | 9                            | 163  | 0     | 172        | 47                      | 0    | 32    | 79         | 0                            | 135  | 18    | 153        | 0                                | 0    | 0     | 0          | 404        |
| 08:30 AM    | 8                            | 152  | 0     | 160        | 59                      | 0    | 33    | 92         | 0                            | 126  | 27    | 153        | 0                                | 0    | 0     | 0          | 405        |
| 08:45 AM    | 15                           | 132  | 5     | 152        | 22                      | 0    | 22    | 44         | 1                            | 177  | 17    | 195        | 0                                | 0    | 1     | 1          | 392        |
| Total       | 37                           | 597  | 5     | 639        | 178                     | 0    | 112   | 290        | 1                            | 542  | 77    | 620        | 0                                | 0    | 1     | 1          | 1550       |
| Grand Total | 154                          | 1252 | 5     | 1411       | 345                     | 0    | 291   | 636        | 1                            | 961  | 168   | 1130       | 0                                | 0    | 1     | 1          | 3178       |
| Apprch %    | 10.9                         | 88.7 | 0.4   |            | 54.2                    | 0    | 45.8  |            | 0.1                          | 85   | 14.9  |            | 0                                | 0    | 100   |            |            |
| Total %     | 4.8                          | 39.4 | 0.2   | 44.4       | 10.9                    | 0    | 9.2   | 20         | 0                            | 30.2 | 5.3   | 35.6       | 0                                | 0    | 0     | 0          |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Tri-City Park Entrance Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|-------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                         |      |       |            |                              |      |       |            |                                  |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |      |       |            |                         |      |       |            |                              |      |       |            |                                  |      |       |            |            |
| 07:30 AM   | 60                           | 197  | 0     | 257        | 48                      | 0    | 34    | 82         | 0                            | 91   | 35    | 126        | 0                                | 0    | 0     | 0          | 465        |
| 07:45 AM   | 39                           | 151  | 0     | 190        | 50                      | 0    | 88    | 138        | 0                            | 170  | 23    | 193        | 0                                | 0    | 0     | 0          | 521        |
| 08:00 AM   | 5                            | 150  | 0     | 155        | 50                      | 0    | 25    | 75         | 0                            | 104  | 15    | 119        | 0                                | 0    | 0     | 0          | 349        |
| 08:15 AM   | 9                            | 163  | 0     | 172        | 47                      | 0    | 32    | 79         | 0                            | 135  | 18    | 153        | 0                                | 0    | 0     | 0          | 404        |
| Total Volume   | 113                          | 661  | 0     | 774        | 195                     | 0    | 179   | 374        | 0                            | 500  | 91    | 591        | 0                                | 0    | 0     | 0          | 1739       |
| % App. Total   | 14.6                         | 85.4 | 0     |            | 52.1                    | 0    | 47.9  |            | 0                            | 84.6 | 15.4  |            | 0                                | 0    | 0     |            |            |
| PHF  | .471                         | .839 | .000  | .753       | .975                    | .000 | .509  | .678       | .000                         | .735 | .650  | .766       | .000                             | .000 | .000  | .000       | .834       |

City of Placentia  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |      |            | 07:45 AM  |      |           |            | 08:00 AM |            |           |            | 08:00 AM |      |          |          |
|--------------|-----------|------------|------|------------|-----------|------|-----------|------------|----------|------------|-----------|------------|----------|------|----------|----------|
| +0 mins.     | 15        | 166        | 0    | 181        | 50        | 0    | <b>88</b> | <b>138</b> | 0        | 104        | 15        | 119        | 0        | 0    | 0        | 0        |
| +15 mins.    | <b>60</b> | <b>197</b> | 0    | <b>257</b> | 50        | 0    | 25        | 75         | 0        | 135        | 18        | 153        | 0        | 0    | 0        | 0        |
| +30 mins.    | 39        | 151        | 0    | 190        | 47        | 0    | 32        | 79         | 0        | 126        | <b>27</b> | 153        | 0        | 0    | 0        | 0        |
| +45 mins.    | 5         | 150        | 0    | 155        | <b>59</b> | 0    | 33        | 92         | <b>1</b> | <b>177</b> | 17        | <b>195</b> | 0        | 0    | <b>1</b> | <b>1</b> |
| Total Volume | 119       | 664        | 0    | 783        | 206       | 0    | 178       | 384        | 1        | 542        | 77        | 620        | 0        | 0    | 1        | 1        |
| % App. Total | 15.2      | 84.8       | 0    |            | 53.6      | 0    | 46.4      |            | 0.2      | 87.4       | 12.4      |            | 0        | 0    | 100      |          |
| PHF          | .496      | .843       | .000 | .762       | .873      | .000 | .506      | .696       | .250     | .766       | .713      | .795       | .000     | .000 | .250     | .250     |

City of Placentia  
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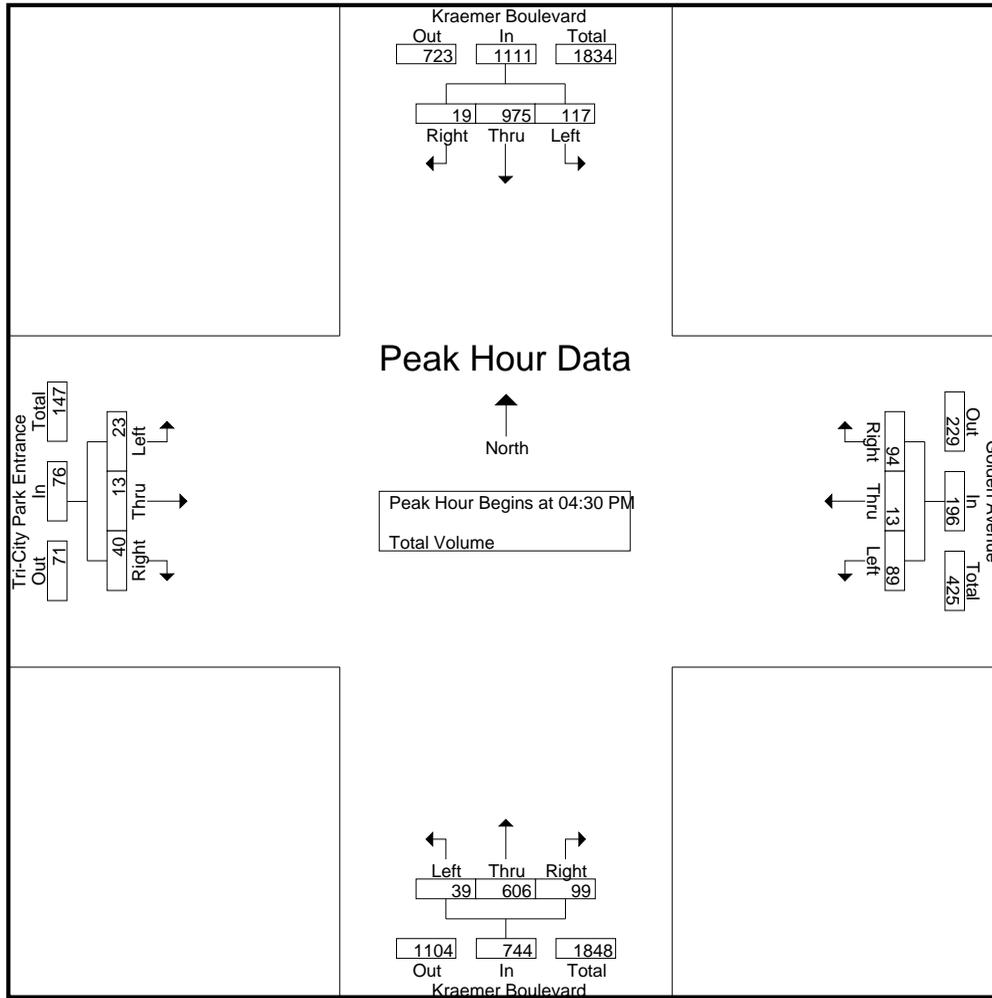
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Tri-City Park Entrance Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| 04:00 PM    | 28                           | 242  | 8     | 278        | 23                      | 3    | 22    | 48         | 6                            | 142  | 16    | 164        | 0                                | 3    | 10    | 13         | 503        |
| 04:15 PM    | 29                           | 220  | 6     | 255        | 20                      | 4    | 19    | 43         | 5                            | 153  | 23    | 181        | 4                                | 3    | 7     | 14         | 493        |
| 04:30 PM    | 27                           | 259  | 9     | 295        | 22                      | 2    | 15    | 39         | 12                           | 158  | 31    | 201        | 5                                | 6    | 8     | 19         | 554        |
| 04:45 PM    | 21                           | 227  | 3     | 251        | 18                      | 1    | 24    | 43         | 15                           | 156  | 23    | 194        | 6                                | 5    | 5     | 16         | 504        |
| Total       | 105                          | 948  | 26    | 1079       | 83                      | 10   | 80    | 173        | 38                           | 609  | 93    | 740        | 15                               | 17   | 30    | 62         | 2054       |
| 05:00 PM    | 36                           | 265  | 3     | 304        | 21                      | 1    | 34    | 56         | 6                            | 149  | 20    | 175        | 5                                | 0    | 16    | 21         | 556        |
| 05:15 PM    | 33                           | 224  | 4     | 261        | 28                      | 9    | 21    | 58         | 6                            | 143  | 25    | 174        | 7                                | 2    | 11    | 20         | 513        |
| 05:30 PM    | 19                           | 199  | 2     | 220        | 26                      | 3    | 29    | 58         | 7                            | 171  | 25    | 203        | 9                                | 2    | 13    | 24         | 505        |
| 05:45 PM    | 29                           | 156  | 5     | 190        | 25                      | 2    | 22    | 49         | 9                            | 162  | 22    | 193        | 1                                | 1    | 9     | 11         | 443        |
| Total       | 117                          | 844  | 14    | 975        | 100                     | 15   | 106   | 221        | 28                           | 625  | 92    | 745        | 22                               | 5    | 49    | 76         | 2017       |
| Grand Total | 222                          | 1792 | 40    | 2054       | 183                     | 25   | 186   | 394        | 66                           | 1234 | 185   | 1485       | 37                               | 22   | 79    | 138        | 4071       |
| Apprch %    | 10.8                         | 87.2 | 1.9   |            | 46.4                    | 6.3  | 47.2  |            | 4.4                          | 83.1 | 12.5  |            | 26.8                             | 15.9 | 57.2  |            |            |
| Total %     | 5.5                          | 44   | 1     | 50.5       | 4.5                     | 0.6  | 4.6   | 9.7        | 1.6                          | 30.3 | 4.5   | 36.5       | 0.9                              | 0.5  | 1.9   | 3.4        |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Tri-City Park Entrance Eastbound |      |       |            | Int. Total |
|--------------|------------------------------|------|-------|------------|-------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------------|------|-------|------------|------------|
|              | Left                         | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| 04:30 PM     | 27                           | 259  | 9     | 295        | 22                      | 2    | 15    | 39         | 12                           | 158  | 31    | 201        | 5                                | 6    | 8     | 19         | 554        |
| 04:45 PM     | 21                           | 227  | 3     | 251        | 18                      | 1    | 24    | 43         | 15                           | 156  | 23    | 194        | 6                                | 5    | 5     | 16         | 504        |
| 05:00 PM     | 36                           | 265  | 3     | 304        | 21                      | 1    | 34    | 56         | 6                            | 149  | 20    | 175        | 5                                | 0    | 16    | 21         | 556        |
| 05:15 PM     | 33                           | 224  | 4     | 261        | 28                      | 9    | 21    | 58         | 6                            | 143  | 25    | 174        | 7                                | 2    | 11    | 20         | 513        |
| Total Volume | 117                          | 975  | 19    | 1111       | 89                      | 13   | 94    | 196        | 39                           | 606  | 99    | 744        | 23                               | 13   | 40    | 76         | 2127       |
| % App. Total | 10.5                         | 87.8 | 1.7   |            | 45.4                    | 6.6  | 48    |            | 5.2                          | 81.5 | 13.3  |            | 30.3                             | 17.1 | 52.6  |            |            |
| PHF          | .813                         | .920 | .528  | .914       | .795                    | .361 | .691  | .845       | .650                         | .959 | .798  | .925       | .821                             | .542 | .625  | .905       | .956       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:30 PM



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM |      |      |      | 05:00 PM |      |      |      | 04:15 PM |      |      |      | 04:45 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 27       | 259  | 9    | 295  | 21       | 1    | 34   | 56   | 5        | 153  | 23   | 181  | 6        | 5    | 5    | 16   |
| +15 mins.    | 21       | 227  | 3    | 251  | 28       | 9    | 21   | 58   | 12       | 158  | 31   | 201  | 5        | 0    | 16   | 21   |
| +30 mins.    | 36       | 265  | 3    | 304  | 26       | 3    | 29   | 58   | 15       | 156  | 23   | 194  | 7        | 2    | 11   | 20   |
| +45 mins.    | 33       | 224  | 4    | 261  | 25       | 2    | 22   | 49   | 6        | 149  | 20   | 175  | 9        | 2    | 13   | 24   |
| Total Volume | 117      | 975  | 19   | 1111 | 100      | 15   | 106  | 221  | 38       | 616  | 97   | 751  | 27       | 9    | 45   | 81   |
| % App. Total | 10.5     | 87.8 | 1.7  |      | 45.2     | 6.8  | 48   |      | 5.1      | 82   | 12.9 |      | 33.3     | 11.1 | 55.6 |      |
| PHF          | .813     | .920 | .528 | .914 | .893     | .417 | .779 | .953 | .633     | .975 | .782 | .934 | .750     | .450 | .703 | .844 |

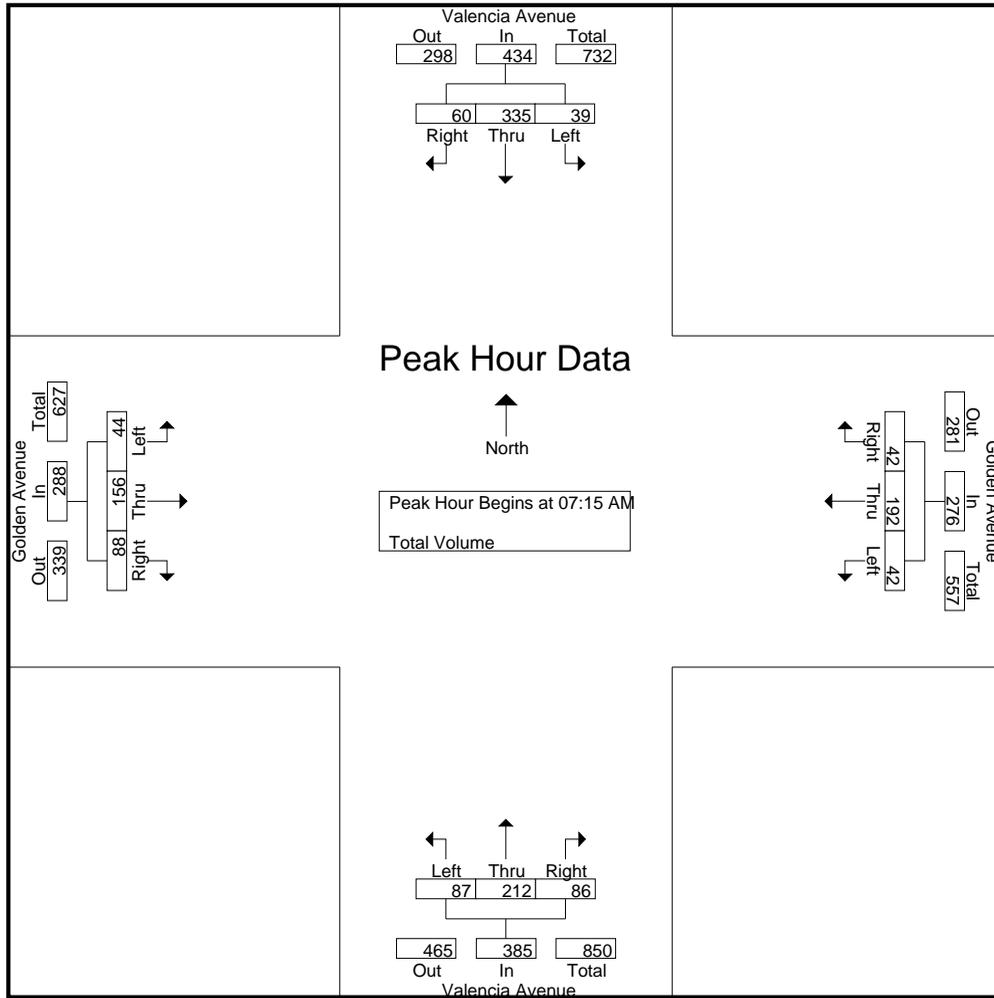
City of Placentia  
 N/S: Valencia Avenue  
 E/W: Golden Avenue  
 Weather: Clear

File Name : 02PLAVAGOAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Golden Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total |            |
| 07:00 AM    | 2                          | 81   | 10    | 93         | 5                       | 12   | 2     | 19         | 7                          | 35   | 3     | 45         | 8                       | 11   | 4     | 23         | 180        |
| 07:15 AM    | 3                          | 83   | 13    | 99         | 8                       | 33   | 10    | 51         | 11                         | 36   | 22    | 69         | 8                       | 24   | 17    | 49         | 268        |
| 07:30 AM    | 26                         | 137  | 10    | 173        | 12                      | 55   | 14    | 81         | 19                         | 49   | 32    | 100        | 7                       | 77   | 45    | 129        | 483        |
| 07:45 AM    | 6                          | 55   | 17    | 78         | 15                      | 74   | 12    | 101        | 36                         | 86   | 26    | 148        | 21                      | 42   | 22    | 85         | 412        |
| Total       | 37                         | 356  | 50    | 443        | 40                      | 174  | 38    | 252        | 73                         | 206  | 83    | 362        | 44                      | 154  | 88    | 286        | 1343       |
| 08:00 AM    | 4                          | 60   | 20    | 84         | 7                       | 30   | 6     | 43         | 21                         | 41   | 6     | 68         | 8                       | 13   | 4     | 25         | 220        |
| 08:15 AM    | 7                          | 63   | 11    | 81         | 7                       | 21   | 2     | 30         | 24                         | 38   | 10    | 72         | 7                       | 12   | 8     | 27         | 210        |
| 08:30 AM    | 3                          | 76   | 9     | 88         | 3                       | 27   | 6     | 36         | 22                         | 33   | 7     | 62         | 12                      | 15   | 11    | 38         | 224        |
| 08:45 AM    | 7                          | 63   | 7     | 77         | 3                       | 24   | 8     | 35         | 5                          | 44   | 10    | 59         | 8                       | 20   | 7     | 35         | 206        |
| Total       | 21                         | 262  | 47    | 330        | 20                      | 102  | 22    | 144        | 72                         | 156  | 33    | 261        | 35                      | 60   | 30    | 125        | 860        |
| Grand Total | 58                         | 618  | 97    | 773        | 60                      | 276  | 60    | 396        | 145                        | 362  | 116   | 623        | 79                      | 214  | 118   | 411        | 2203       |
| Apprch %    | 7.5                        | 79.9 | 12.5  |            | 15.2                    | 69.7 | 15.2  |            | 23.3                       | 58.1 | 18.6  |            | 19.2                    | 52.1 | 28.7  |            |            |
| Total %     | 2.6                        | 28.1 | 4.4   | 35.1       | 2.7                     | 12.5 | 2.7   | 18         | 6.6                        | 16.4 | 5.3   | 28.3       | 3.6                     | 9.7  | 5.4   | 18.7       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Golden Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|-------------------------|------|-------|------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                         |      |       |            |                            |      |       |            |                         |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                         |      |       |            |                            |      |       |            |                         |      |       |            |            |
| 07:15 AM   | 3                          | 83   | 13    | 99         | 8                       | 33   | 10    | 51         | 11                         | 36   | 22    | 69         | 8                       | 24   | 17    | 49         | 268        |
| 07:30 AM   | 26                         | 137  | 10    | 173        | 12                      | 55   | 14    | 81         | 19                         | 49   | 32    | 100        | 7                       | 77   | 45    | 129        | 483        |
| 07:45 AM   | 6                          | 55   | 17    | 78         | 15                      | 74   | 12    | 101        | 36                         | 86   | 26    | 148        | 21                      | 42   | 22    | 85         | 412        |
| 08:00 AM   | 4                          | 60   | 20    | 84         | 7                       | 30   | 6     | 43         | 21                         | 41   | 6     | 68         | 8                       | 13   | 4     | 25         | 220        |
| Total Volume   | 39                         | 335  | 60    | 434        | 42                      | 192  | 42    | 276        | 87                         | 212  | 86    | 385        | 44                      | 156  | 88    | 288        | 1383       |
| % App. Total   | 9                          | 77.2 | 13.8  |            | 15.2                    | 69.6 | 15.2  |            | 22.6                       | 55.1 | 22.3  |            | 15.3                    | 54.2 | 30.6  |            |            |
| PHF  | .375                       | .611 | .750  | .627       | .700                    | .649 | .750  | .683       | .604                       | .616 | .672  | .650       | .524                    | .506 | .489  | .558       | .716       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:00 AM |      |      |      | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 2        | 81   | 10   | 93   | 8        | 33   | 10   | 51   | 19       | 49   | 32   | 100  | 8        | 24   | 17   | 49   |
| +15 mins.    | 3        | 83   | 13   | 99   | 12       | 55   | 14   | 81   | 36       | 86   | 26   | 148  | 7        | 77   | 45   | 129  |
| +30 mins.    | 26       | 137  | 10   | 173  | 15       | 74   | 12   | 101  | 21       | 41   | 6    | 68   | 21       | 42   | 22   | 85   |
| +45 mins.    | 6        | 55   | 17   | 78   | 7        | 30   | 6    | 43   | 24       | 38   | 10   | 72   | 8        | 13   | 4    | 25   |
| Total Volume | 37       | 356  | 50   | 443  | 42       | 192  | 42   | 276  | 100      | 214  | 74   | 388  | 44       | 156  | 88   | 288  |
| % App. Total | 8.4      | 80.4 | 11.3 |      | 15.2     | 69.6 | 15.2 |      | 25.8     | 55.2 | 19.1 |      | 15.3     | 54.2 | 30.6 |      |
| PHF          | .356     | .650 | .735 | .640 | .700     | .649 | .750 | .683 | .694     | .622 | .578 | .655 | .524     | .506 | .489 | .558 |

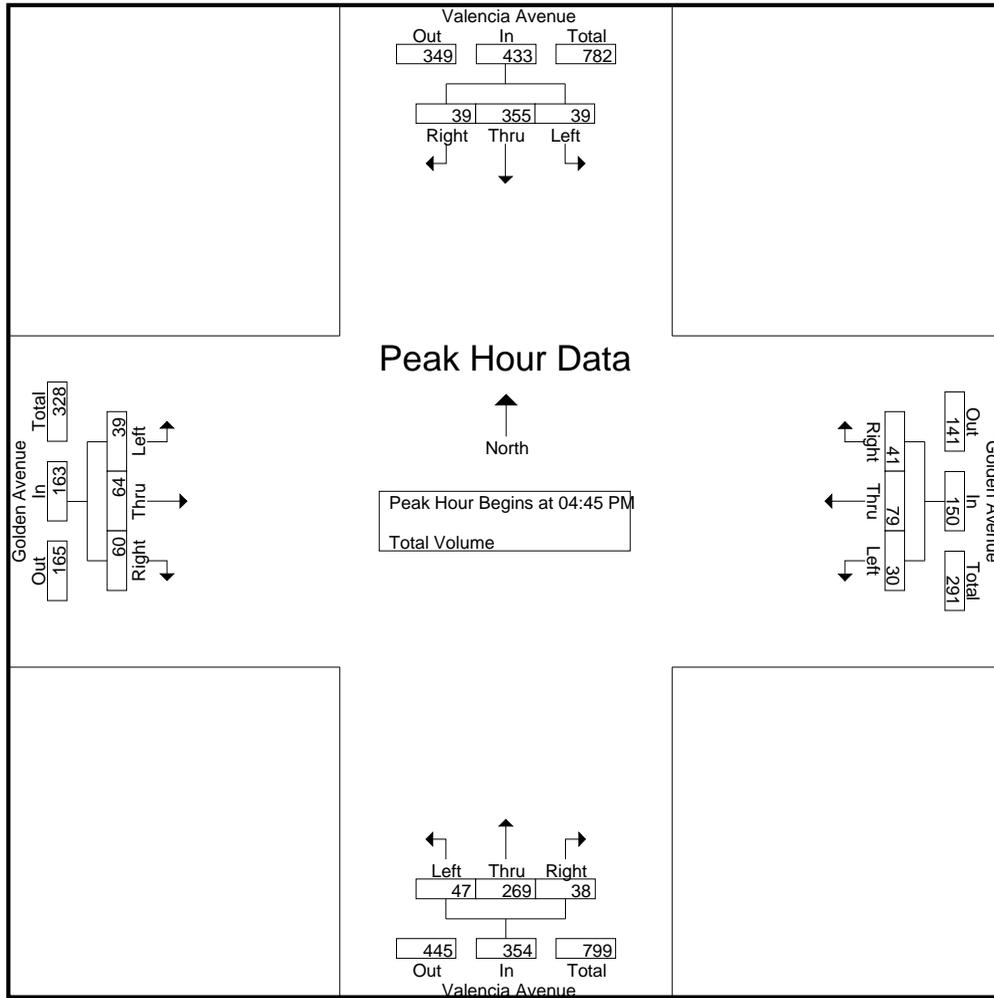
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| Start Time  | Valencia Avenue Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Golden Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total |            |
| 04:00 PM    | 6                          | 82   | 15    | 103        | 8                       | 27   | 1     | 36         | 10                         | 56   | 5     | 71         | 8                       | 13   | 13    | 34         | 244        |
| 04:15 PM    | 3                          | 59   | 6     | 68         | 7                       | 18   | 13    | 38         | 9                          | 65   | 8     | 82         | 9                       | 24   | 11    | 44         | 232        |
| 04:30 PM    | 5                          | 102  | 12    | 119        | 6                       | 22   | 12    | 40         | 10                         | 45   | 4     | 59         | 9                       | 13   | 10    | 32         | 250        |
| 04:45 PM    | 9                          | 89   | 8     | 106        | 8                       | 15   | 8     | 31         | 9                          | 69   | 6     | 84         | 13                      | 16   | 13    | 42         | 263        |
| Total       | 23                         | 332  | 41    | 396        | 29                      | 82   | 34    | 145        | 38                         | 235  | 23    | 296        | 39                      | 66   | 47    | 152        | 989        |
| 05:00 PM    | 12                         | 103  | 6     | 121        | 7                       | 20   | 14    | 41         | 9                          | 75   | 9     | 93         | 6                       | 22   | 19    | 47         | 302        |
| 05:15 PM    | 6                          | 86   | 12    | 104        | 9                       | 28   | 7     | 44         | 15                         | 71   | 14    | 100        | 9                       | 10   | 12    | 31         | 279        |
| 05:30 PM    | 12                         | 77   | 13    | 102        | 6                       | 16   | 12    | 34         | 14                         | 54   | 9     | 77         | 11                      | 16   | 16    | 43         | 256        |
| 05:45 PM    | 3                          | 76   | 9     | 88         | 6                       | 38   | 14    | 58         | 11                         | 62   | 6     | 79         | 8                       | 16   | 7     | 31         | 256        |
| Total       | 33                         | 342  | 40    | 415        | 28                      | 102  | 47    | 177        | 49                         | 262  | 38    | 349        | 34                      | 64   | 54    | 152        | 1093       |
| Grand Total | 56                         | 674  | 81    | 811        | 57                      | 184  | 81    | 322        | 87                         | 497  | 61    | 645        | 73                      | 130  | 101   | 304        | 2082       |
| Apprch %    | 6.9                        | 83.1 | 10    |            | 17.7                    | 57.1 | 25.2  |            | 13.5                       | 77.1 | 9.5   |            | 24                      | 42.8 | 33.2  |            |            |
| Total %     | 2.7                        | 32.4 | 3.9   | 39         | 2.7                     | 8.8  | 3.9   | 15.5       | 4.2                        | 23.9 | 2.9   | 31         | 3.5                     | 6.2  | 4.9   | 14.6       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Golden Avenue Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Golden Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|-------------------------|------|-------|------------|----------------------------|------|-------|------------|-------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                    | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                         |      |       |            |                            |      |       |            |                         |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                            |      |       |            |                         |      |       |            |                            |      |       |            |                         |      |       |            |            |
| 04:45 PM   | 9                          | 89   | 8     | 106        | 8                       | 15   | 8     | 31         | 9                          | 69   | 6     | 84         | 13                      | 16   | 13    | 42         | 263        |
| 05:00 PM   | 12                         | 103  | 6     | 121        | 7                       | 20   | 14    | 41         | 9                          | 75   | 9     | 93         | 6                       | 22   | 19    | 47         | 302        |
| 05:15 PM   | 6                          | 86   | 12    | 104        | 9                       | 28   | 7     | 44         | 15                         | 71   | 14    | 100        | 9                       | 10   | 12    | 31         | 279        |
| 05:30 PM   | 12                         | 77   | 13    | 102        | 6                       | 16   | 12    | 34         | 14                         | 54   | 9     | 77         | 11                      | 16   | 16    | 43         | 256        |
| Total Volume   | 39                         | 355  | 39    | 433        | 30                      | 79   | 41    | 150        | 47                         | 269  | 38    | 354        | 39                      | 64   | 60    | 163        | 1100       |
| % App. Total   | 9                          | 82   | 9     |            | 20                      | 52.7 | 27.3  |            | 13.3                       | 76   | 10.7  |            | 23.9                    | 39.3 | 36.8  |            |            |
| PHF  | .813                       | .862 | .750  | .895       | .833                    | .705 | .732  | .852       | .783                       | .897 | .679  | .885       | .750                    | .727 | .789  | .867       | .911       |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |            |           |            | 05:00 PM |           |           |           | 04:45 PM  |           |           |            | 04:15 PM  |           |           |           |
|--------------|-----------|------------|-----------|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | 5         | 102        | <b>12</b> | 119        | 7        | 20        | <b>14</b> | 41        | 9         | 69        | 6         | 84         | 9         | <b>24</b> | 11        | 44        |
| +15 mins.    | 9         | 89         | 8         | 106        | <b>9</b> | 28        | 7         | 44        | 9         | <b>75</b> | 9         | 93         | 9         | 13        | 10        | 32        |
| +30 mins.    | <b>12</b> | <b>103</b> | 6         | <b>121</b> | 6        | 16        | 12        | 34        | <b>15</b> | 71        | <b>14</b> | <b>100</b> | <b>13</b> | 16        | 13        | 42        |
| +45 mins.    | 6         | 86         | 12        | 104        | 6        | <b>38</b> | 14        | <b>58</b> | 14        | 54        | 9         | 77         | 6         | 22        | <b>19</b> | <b>47</b> |
| Total Volume | 32        | 380        | 38        | 450        | 28       | 102       | 47        | 177       | 47        | 269       | 38        | 354        | 37        | 75        | 53        | 165       |
| % App. Total | 7.1       | 84.4       | 8.4       |            | 15.8     | 57.6      | 26.6      |           | 13.3      | 76        | 10.7      |            | 22.4      | 45.5      | 32.1      |           |
| PHF          | .667      | .922       | .792      | .930       | .778     | .671      | .839      | .763      | .783      | .897      | .679      | .885       | .712      | .781      | .697      | .878      |

City of Placentia  
 N/S: Rose Drive  
 E/W: Imperial Highway  
 Weather: Clear

File Name : 03PLAROIMAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

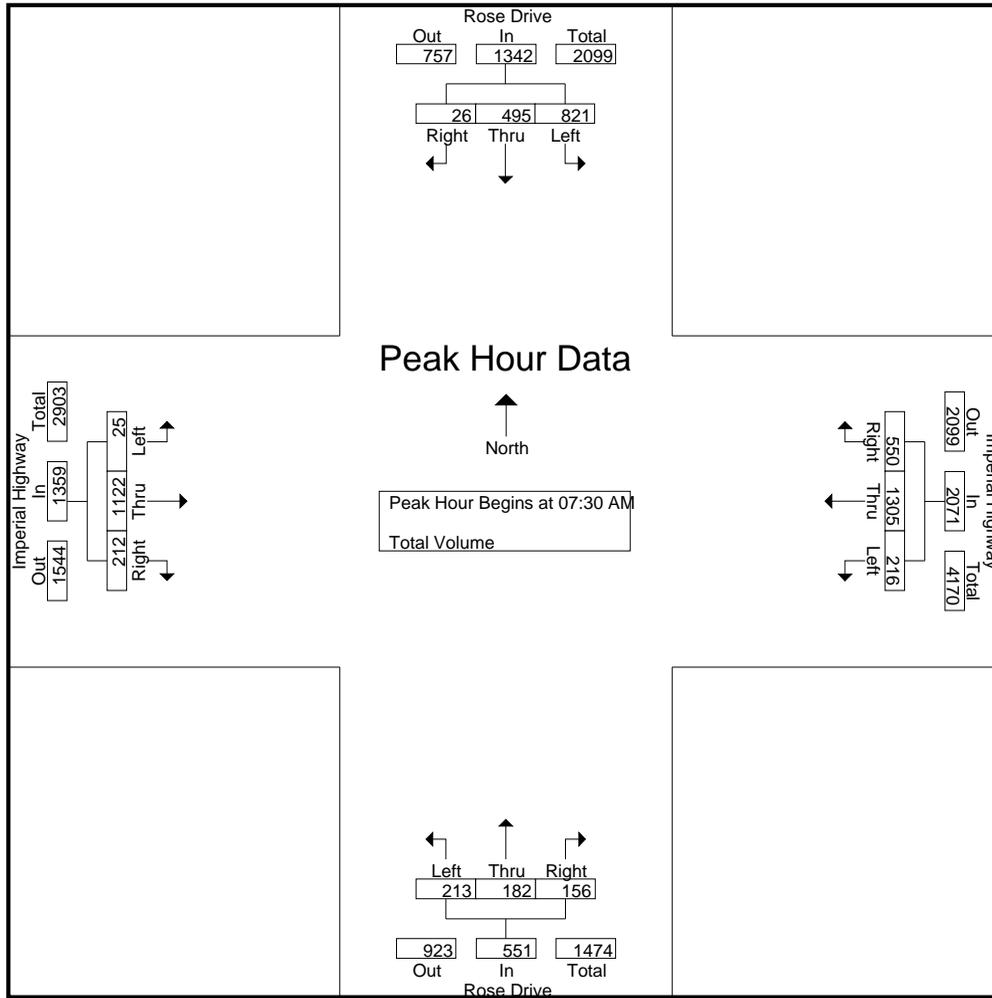
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Imperial Highway Westbound |      |       |            | Rose Drive Northbound |      |       |            | Imperial Highway Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|----------------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 183                   | 113  | 1     | 297        | 18                         | 205  | 99    | 322        | 33                    | 34   | 28    | 95         | 5                          | 211  | 24    | 240        | 954        |
| 07:15 AM    | 198                   | 120  | 5     | 323        | 38                         | 233  | 122   | 393        | 35                    | 35   | 21    | 91         | 8                          | 297  | 43    | 348        | 1155       |
| 07:30 AM    | 192                   | 134  | 3     | 329        | 86                         | 327  | 133   | 546        | 46                    | 35   | 42    | 123        | 7                          | 282  | 44    | 333        | 1331       |
| 07:45 AM    | 210                   | 99   | 6     | 315        | 48                         | 311  | 136   | 495        | 57                    | 51   | 56    | 164        | 7                          | 349  | 69    | 425        | 1399       |
| Total       | 783                   | 466  | 15    | 1264       | 190                        | 1076 | 490   | 1756       | 171                   | 155  | 147   | 473        | 27                         | 1139 | 180   | 1346       | 4839       |
| 08:00 AM    | 229                   | 143  | 8     | 380        | 49                         | 359  | 149   | 557        | 55                    | 49   | 23    | 127        | 3                          | 256  | 43    | 302        | 1366       |
| 08:15 AM    | 190                   | 119  | 9     | 318        | 33                         | 308  | 132   | 473        | 55                    | 47   | 35    | 137        | 8                          | 235  | 56    | 299        | 1227       |
| 08:30 AM    | 184                   | 109  | 3     | 296        | 37                         | 298  | 140   | 475        | 41                    | 44   | 30    | 115        | 12                         | 221  | 43    | 276        | 1162       |
| 08:45 AM    | 189                   | 111  | 5     | 305        | 40                         | 307  | 114   | 461        | 43                    | 43   | 16    | 102        | 9                          | 204  | 41    | 254        | 1122       |
| Total       | 792                   | 482  | 25    | 1299       | 159                        | 1272 | 535   | 1966       | 194                   | 183  | 104   | 481        | 32                         | 916  | 183   | 1131       | 4877       |
| Grand Total | 1575                  | 948  | 40    | 2563       | 349                        | 2348 | 1025  | 3722       | 365                   | 338  | 251   | 954        | 59                         | 2055 | 363   | 2477       | 9716       |
| Apprch %    | 61.5                  | 37   | 1.6   |            | 9.4                        | 63.1 | 27.5  |            | 38.3                  | 35.4 | 26.3  |            | 2.4                        | 83   | 14.7  |            |            |
| Total %     | 16.2                  | 9.8  | 0.4   | 26.4       | 3.6                        | 24.2 | 10.5  | 38.3       | 3.8                   | 3.5  | 2.6   | 9.8        | 0.6                        | 21.2 | 3.7   | 25.5       |            |

| Start Time   | Rose Drive Southbound |            |          |            | Imperial Highway Westbound |            |            |            | Rose Drive Northbound |           |           |            | Imperial Highway Eastbound |            |           |            | Int. Total  |
|--|-----------------------|------------|----------|------------|----------------------------|------------|------------|------------|-----------------------|-----------|-----------|------------|----------------------------|------------|-----------|------------|-------------|
|  | Left                  | Thru       | Right    | App. Total | Left                       | Thru       | Right      | App. Total | Left                  | Thru      | Right     | App. Total | Left                       | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                       |            |          |            |                            |            |            |            |                       |           |           |            |                            |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                       |            |          |            |                            |            |            |            |                       |           |           |            |                            |            |           |            |             |
| 07:30 AM   | 192                   | 134        | 3        | 329        | <b>86</b>                  | 327        | 133        | 546        | 46                    | 35        | 42        | 123        | 7                          | 282        | 44        | 333        | 1331        |
| 07:45 AM   | 210                   | 99         | 6        | 315        | 48                         | 311        | 136        | 495        | <b>57</b>             | <b>51</b> | <b>56</b> | <b>164</b> | 7                          | <b>349</b> | <b>69</b> | <b>425</b> | <b>1399</b> |
| 08:00 AM   | <b>229</b>            | <b>143</b> | 8        | <b>380</b> | 49                         | <b>359</b> | <b>149</b> | <b>557</b> | 55                    | 49        | 23        | 127        | 3                          | 256        | 43        | 302        | 1366        |
| 08:15 AM   | 190                   | 119        | <b>9</b> | 318        | 33                         | 308        | 132        | 473        | 55                    | 47        | 35        | 137        | <b>8</b>                   | 235        | 56        | 299        | 1227        |
| Total Volume   | 821                   | 495        | 26       | 1342       | 216                        | 1305       | 550        | 2071       | 213                   | 182       | 156       | 551        | 25                         | 1122       | 212       | 1359       | 5323        |
| % App. Total   | 61.2                  | 36.9       | 1.9      |            | 10.4                       | 63         | 26.6       |            | 38.7                  | 33        | 28.3      |            | 1.8                        | 82.6       | 15.6      |            |             |
| PHF  | .896                  | .865       | .722     | .883       | .628                       | .909       | .923       | .930       | .934                  | .892      | .696      | .840       | .781                       | .804       | .768      | .799       | .951        |

City of Placentia  
 N/S: Rose Drive  
 E/W: Imperial Highway  
 Weather: Clear

File Name : 03PLAROIMAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM   |            |          |            | 07:30 AM  |            |            |            | 07:30 AM  |           |           |            | 07:15 AM |            |           |            |
|--------------|------------|------------|----------|------------|-----------|------------|------------|------------|-----------|-----------|-----------|------------|----------|------------|-----------|------------|
| +0 mins.     | 198        | 120        | 5        | 323        | <b>86</b> | 327        | 133        | 546        | 46        | 35        | 42        | 123        | <b>8</b> | 297        | 43        | 348        |
| +15 mins.    | 192        | 134        | 3        | 329        | 48        | 311        | 136        | 495        | <b>57</b> | <b>51</b> | <b>56</b> | <b>164</b> | 7        | 282        | 44        | 333        |
| +30 mins.    | 210        | 99         | 6        | 315        | 49        | <b>359</b> | <b>149</b> | <b>557</b> | 55        | 49        | 23        | 127        | 7        | <b>349</b> | <b>69</b> | <b>425</b> |
| +45 mins.    | <b>229</b> | <b>143</b> | <b>8</b> | <b>380</b> | 33        | 308        | 132        | 473        | 55        | 47        | 35        | 137        | 3        | 256        | 43        | 302        |
| Total Volume | 829        | 496        | 22       | 1347       | 216       | 1305       | 550        | 2071       | 213       | 182       | 156       | 551        | 25       | 1184       | 199       | 1408       |
| % App. Total | 61.5       | 36.8       | 1.6      |            | 10.4      | 63         | 26.6       |            | 38.7      | 33        | 28.3      |            | 1.8      | 84.1       | 14.1      |            |
| PHF          | .905       | .867       | .688     | .886       | .628      | .909       | .923       | .930       | .934      | .892      | .696      | .840       | .781     | .848       | .721      | .828       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Imperial Highway  
 Weather: Clear

File Name : 03PLAROIMPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

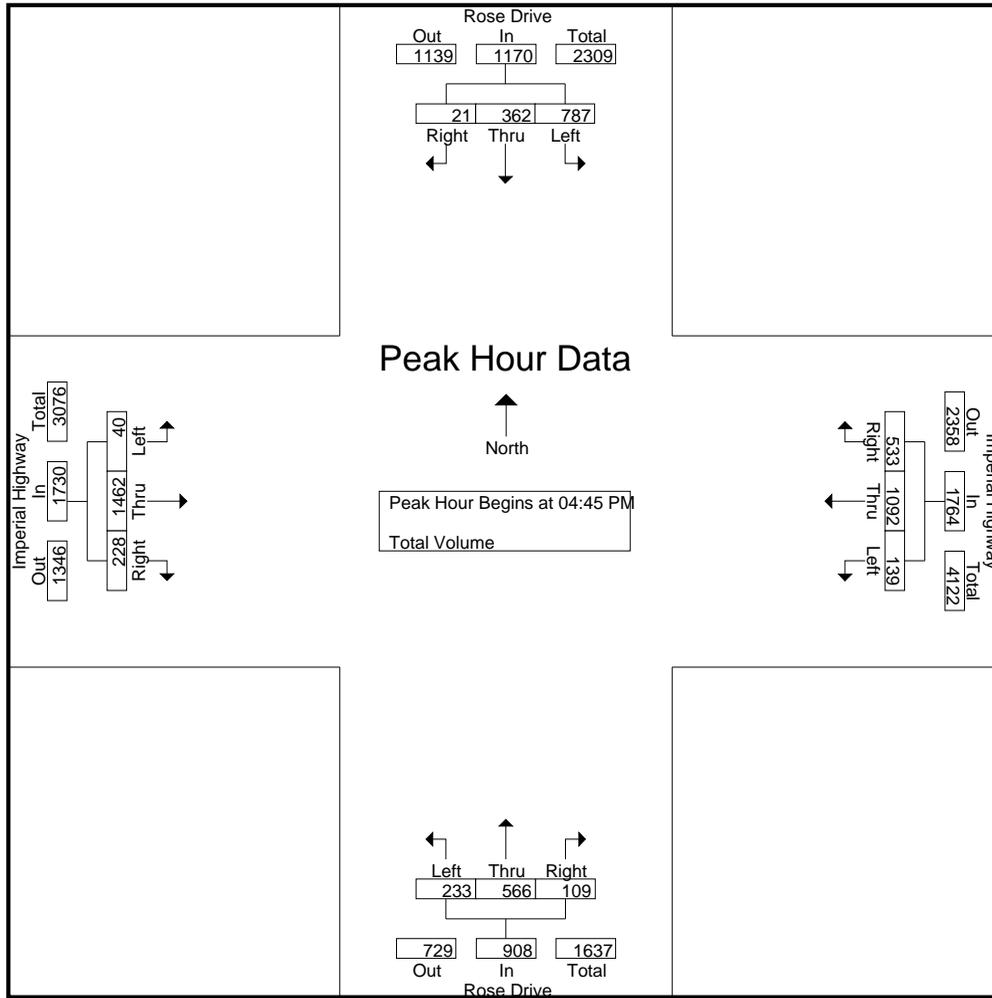
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Imperial Highway Westbound |      |       |            | Rose Drive Northbound |      |       |            | Imperial Highway Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|----------------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 04:00 PM    | 196                   | 90   | 6     | 292        | 43                         | 211  | 148   | 402        | 50                    | 100  | 18    | 168        | 17                         | 237  | 53    | 307        | 1169       |
| 04:15 PM    | 202                   | 83   | 4     | 289        | 40                         | 259  | 178   | 477        | 40                    | 82   | 24    | 146        | 12                         | 318  | 38    | 368        | 1280       |
| 04:30 PM    | 212                   | 114  | 2     | 328        | 29                         | 216  | 149   | 394        | 51                    | 111  | 24    | 186        | 12                         | 329  | 44    | 385        | 1293       |
| 04:45 PM    | 206                   | 104  | 5     | 315        | 33                         | 267  | 168   | 468        | 55                    | 94   | 27    | 176        | 13                         | 347  | 55    | 415        | 1374       |
| Total       | 816                   | 391  | 17    | 1224       | 145                        | 953  | 643   | 1741       | 196                   | 387  | 93    | 676        | 54                         | 1231 | 190   | 1475       | 5116       |
| 05:00 PM    | 194                   | 80   | 5     | 279        | 34                         | 266  | 172   | 472        | 55                    | 117  | 15    | 187        | 5                          | 388  | 66    | 459        | 1397       |
| 05:15 PM    | 217                   | 98   | 7     | 322        | 33                         | 285  | 106   | 424        | 63                    | 185  | 36    | 284        | 8                          | 350  | 55    | 413        | 1443       |
| 05:30 PM    | 170                   | 80   | 4     | 254        | 39                         | 274  | 87    | 400        | 60                    | 170  | 31    | 261        | 14                         | 377  | 52    | 443        | 1358       |
| 05:45 PM    | 218                   | 93   | 7     | 318        | 40                         | 280  | 85    | 405        | 51                    | 160  | 18    | 229        | 10                         | 341  | 43    | 394        | 1346       |
| Total       | 799                   | 351  | 23    | 1173       | 146                        | 1105 | 450   | 1701       | 229                   | 632  | 100   | 961        | 37                         | 1456 | 216   | 1709       | 5544       |
| Grand Total | 1615                  | 742  | 40    | 2397       | 291                        | 2058 | 1093  | 3442       | 425                   | 1019 | 193   | 1637       | 91                         | 2687 | 406   | 3184       | 10660      |
| Apprch %    | 67.4                  | 31   | 1.7   |            | 8.5                        | 59.8 | 31.8  |            | 26                    | 62.2 | 11.8  |            | 2.9                        | 84.4 | 12.8  |            |            |
| Total %     | 15.2                  | 7    | 0.4   | 22.5       | 2.7                        | 19.3 | 10.3  | 32.3       | 4                     | 9.6  | 1.8   | 15.4       | 0.9                        | 25.2 | 3.8   | 29.9       |            |

| Start Time   | Rose Drive Southbound |            |          |            | Imperial Highway Westbound |            |            |            | Rose Drive Northbound |            |           |            | Imperial Highway Eastbound |            |           |            | Int. Total  |
|--|-----------------------|------------|----------|------------|----------------------------|------------|------------|------------|-----------------------|------------|-----------|------------|----------------------------|------------|-----------|------------|-------------|
|  | Left                  | Thru       | Right    | App. Total | Left                       | Thru       | Right      | App. Total | Left                  | Thru       | Right     | App. Total | Left                       | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                       |            |          |            |                            |            |            |            |                       |            |           |            |                            |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                       |            |          |            |                            |            |            |            |                       |            |           |            |                            |            |           |            |             |
| 04:45 PM   | 206                   | <b>104</b> | 5        | 315        | 33                         | 267        | 168        | 468        | 55                    | 94         | 27        | 176        | 13                         | 347        | 55        | 415        | 1374        |
| 05:00 PM   | 194                   | 80         | 5        | 279        | 34                         | 266        | <b>172</b> | <b>472</b> | 55                    | 117        | 15        | 187        | 5                          | <b>388</b> | <b>66</b> | <b>459</b> | 1397        |
| 05:15 PM   | <b>217</b>            | 98         | <b>7</b> | <b>322</b> | 33                         | <b>285</b> | 106        | 424        | <b>63</b>             | <b>185</b> | <b>36</b> | <b>284</b> | 8                          | 350        | 55        | 413        | <b>1443</b> |
| 05:30 PM   | 170                   | 80         | 4        | 254        | <b>39</b>                  | 274        | 87         | 400        | 60                    | 170        | 31        | 261        | <b>14</b>                  | 377        | 52        | 443        | 1358        |
| Total Volume   | 787                   | 362        | 21       | 1170       | 139                        | 1092       | 533        | 1764       | 233                   | 566        | 109       | 908        | 40                         | 1462       | 228       | 1730       | 5572        |
| % App. Total   | 67.3                  | 30.9       | 1.8      |            | 7.9                        | 61.9       | 30.2       |            | 25.7                  | 62.3       | 12        |            | 2.3                        | 84.5       | 13.2      |            |             |
| PHF  | .907                  | .870       | .750     | .908       | .891                       | .958       | .775       | .934       | .925                  | .765       | .757      | .799       | .714                       | .942       | .864      | .942       | .965        |

City of Placentia  
 N/S: Rose Drive  
 E/W: Imperial Highway  
 Weather: Clear

File Name : 03PLAROIMPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM   |            |          |            | 04:15 PM  |            |            |            | 05:00 PM  |            |           |            | 04:45 PM  |            |           |            |
|--------------|------------|------------|----------|------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 212        | <b>114</b> | 2        | <b>328</b> | <b>40</b> | 259        | <b>178</b> | <b>477</b> | 55        | 117        | 15        | 187        | 13        | 347        | 55        | 415        |
| +15 mins.    | 206        | 104        | 5        | 315        | 29        | 216        | 149        | 394        | <b>63</b> | <b>185</b> | <b>36</b> | <b>284</b> | 5         | <b>388</b> | <b>66</b> | <b>459</b> |
| +30 mins.    | 194        | 80         | 5        | 279        | 33        | <b>267</b> | 168        | 468        | 60        | 170        | 31        | 261        | 8         | 350        | 55        | 413        |
| +45 mins.    | <b>217</b> | 98         | <b>7</b> | 322        | 34        | 266        | 172        | 472        | 51        | 160        | 18        | 229        | <b>14</b> | 377        | 52        | 443        |
| Total Volume | 829        | 396        | 19       | 1244       | 136       | 1008       | 667        | 1811       | 229       | 632        | 100       | 961        | 40        | 1462       | 228       | 1730       |
| % App. Total | 66.6       | 31.8       | 1.5      |            | 7.5       | 55.7       | 36.8       |            | 23.8      | 65.8       | 10.4      |            | 2.3       | 84.5       | 13.2      |            |
| PHF          | .955       | .868       | .679     | .948       | .850      | .944       | .937       | .949       | .909      | .854       | .694      | .846       | .714      | .942       | .864      | .942       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 04PLAPLBAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

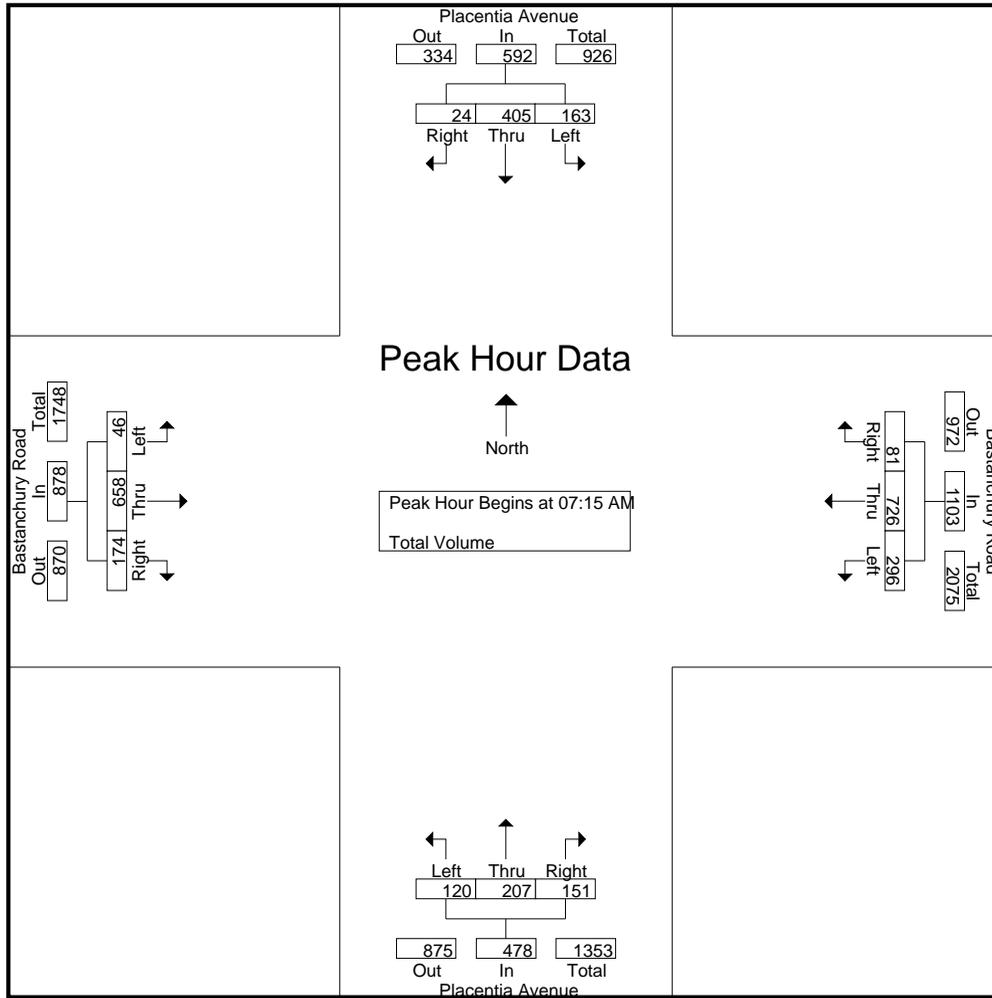
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 21                          | 85   | 5     | 111        | 55                         | 124  | 18    | 197        | 15                          | 28   | 25    | 68         | 4                          | 88   | 25    | 117        | 493        |
| 07:15 AM    | 47                          | 102  | 3     | 152        | 73                         | 166  | 18    | 257        | 28                          | 31   | 32    | 91         | 6                          | 146  | 26    | 178        | 678        |
| 07:30 AM    | 57                          | 115  | 8     | 180        | 81                         | 177  | 21    | 279        | 22                          | 40   | 40    | 102        | 11                         | 195  | 63    | 269        | 830        |
| 07:45 AM    | 32                          | 100  | 4     | 136        | 80                         | 195  | 33    | 308        | 49                          | 88   | 47    | 184        | 22                         | 152  | 56    | 230        | 858        |
| Total       | 157                         | 402  | 20    | 579        | 289                        | 662  | 90    | 1041       | 114                         | 187  | 144   | 445        | 43                         | 581  | 170   | 794        | 2859       |
| 08:00 AM    | 27                          | 88   | 9     | 124        | 62                         | 188  | 9     | 259        | 21                          | 48   | 32    | 101        | 7                          | 165  | 29    | 201        | 685        |
| 08:15 AM    | 29                          | 84   | 12    | 125        | 60                         | 204  | 19    | 283        | 34                          | 41   | 34    | 109        | 11                         | 119  | 24    | 154        | 671        |
| 08:30 AM    | 42                          | 63   | 4     | 109        | 72                         | 144  | 22    | 238        | 27                          | 46   | 40    | 113        | 8                          | 118  | 29    | 155        | 615        |
| 08:45 AM    | 30                          | 65   | 11    | 106        | 67                         | 212  | 21    | 300        | 30                          | 46   | 34    | 110        | 8                          | 125  | 23    | 156        | 672        |
| Total       | 128                         | 300  | 36    | 464        | 261                        | 748  | 71    | 1080       | 112                         | 181  | 140   | 433        | 34                         | 527  | 105   | 666        | 2643       |
| Grand Total | 285                         | 702  | 56    | 1043       | 550                        | 1410 | 161   | 2121       | 226                         | 368  | 284   | 878        | 77                         | 1108 | 275   | 1460       | 5502       |
| Apprch %    | 27.3                        | 67.3 | 5.4   |            | 25.9                       | 66.5 | 7.6   |            | 25.7                        | 41.9 | 32.3  |            | 5.3                        | 75.9 | 18.8  |            |            |
| Total %     | 5.2                         | 12.8 | 1     | 19         | 10                         | 25.6 | 2.9   | 38.5       | 4.1                         | 6.7  | 5.2   | 16         | 1.4                        | 20.1 | 5     | 26.5       |            |

| Start Time   | Placentia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |            |                            |      |       |            |                             |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                             |      |       |            |                            |      |       |            |                             |      |       |            |                            |      |       |            |            |
| 07:15 AM   | 47                          | 102  | 3     | 152        | 73                         | 166  | 18    | 257        | 28                          | 31   | 32    | 91         | 6                          | 146  | 26    | 178        | 678        |
| 07:30 AM   | 57                          | 115  | 8     | 180        | 81                         | 177  | 21    | 279        | 22                          | 40   | 40    | 102        | 11                         | 195  | 63    | 269        | 830        |
| 07:45 AM   | 32                          | 100  | 4     | 136        | 80                         | 195  | 33    | 308        | 49                          | 88   | 47    | 184        | 22                         | 152  | 56    | 230        | 858        |
| 08:00 AM   | 27                          | 88   | 9     | 124        | 62                         | 188  | 9     | 259        | 21                          | 48   | 32    | 101        | 7                          | 165  | 29    | 201        | 685        |
| Total Volume   | 163                         | 405  | 24    | 592        | 296                        | 726  | 81    | 1103       | 120                         | 207  | 151   | 478        | 46                         | 658  | 174   | 878        | 3051       |
| % App. Total   | 27.5                        | 68.4 | 4.1   |            | 26.8                       | 65.8 | 7.3   |            | 25.1                        | 43.3 | 31.6  |            | 5.2                        | 74.9 | 19.8  |            |            |
| PHF  | .715                        | .880 | .667  | .822       | .914                       | .931 | .614  | .895       | .612                        | .588 | .803  | .649       | .523                       | .844 | .690  | .816       | .889       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 04PLAPLBAAM  
 Site Code : 22117718  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |          |            | 07:30 AM  |            |           |            | 07:45 AM  |           |           |            | 07:15 AM  |            |           |            |
|--------------|-----------|------------|----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 47        | 102        | 3        | 152        | <b>81</b> | 177        | 21        | 279        | <b>49</b> | <b>88</b> | <b>47</b> | <b>184</b> | 6         | 146        | 26        | 178        |
| +15 mins.    | <b>57</b> | <b>115</b> | 8        | <b>180</b> | 80        | 195        | <b>33</b> | <b>308</b> | 21        | 48        | 32        | 101        | 11        | <b>195</b> | <b>63</b> | <b>269</b> |
| +30 mins.    | 32        | 100        | 4        | 136        | 62        | 188        | 9         | 259        | 34        | 41        | 34        | 109        | <b>22</b> | 152        | 56        | 230        |
| +45 mins.    | 27        | 88         | <b>9</b> | 124        | 60        | <b>204</b> | 19        | 283        | 27        | 46        | 40        | 113        | 7         | 165        | 29        | 201        |
| Total Volume | 163       | 405        | 24       | 592        | 283       | 764        | 82        | 1129       | 131       | 223       | 153       | 507        | 46        | 658        | 174       | 878        |
| % App. Total | 27.5      | 68.4       | 4.1      |            | 25.1      | 67.7       | 7.3       |            | 25.8      | 44        | 30.2      |            | 5.2       | 74.9       | 19.8      |            |
| PHF          | .715      | .880       | .667     | .822       | .873      | .936       | .621      | .916       | .668      | .634      | .814      | .689       | .523      | .844       | .690      | .816       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 04PLAPLBAPM  
 Site Code : 22117718  
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 Page No : 1

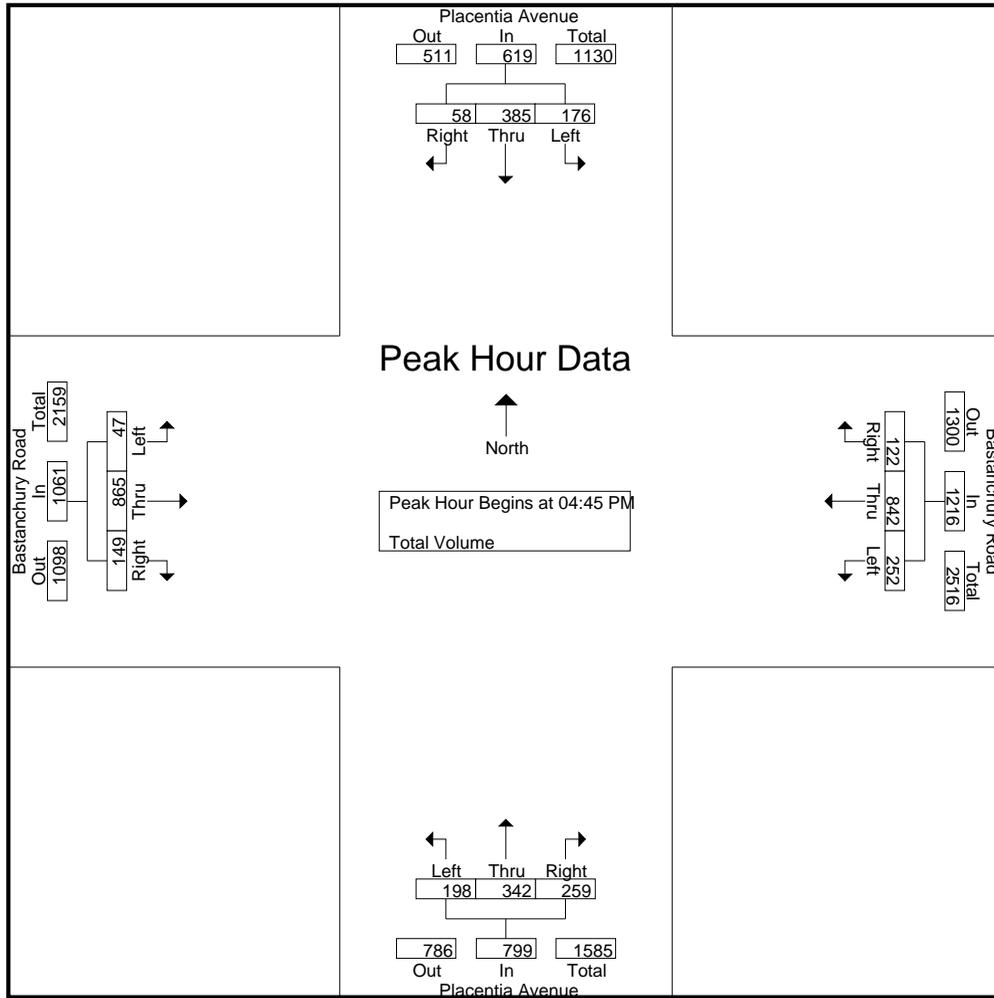
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|-----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 04:00 PM    | 45                          | 98   | 7     | 150        | 47                         | 153  | 23    | 223        | 48                          | 86   | 59    | 193        | 15                         | 198  | 38    | 251        | 817        |
| 04:15 PM    | 42                          | 76   | 13    | 131        | 70                         | 168  | 18    | 256        | 54                          | 79   | 59    | 192        | 7                          | 191  | 44    | 242        | 821        |
| 04:30 PM    | 43                          | 89   | 10    | 142        | 54                         | 166  | 23    | 243        | 47                          | 67   | 61    | 175        | 12                         | 204  | 41    | 257        | 817        |
| 04:45 PM    | 46                          | 101  | 10    | 157        | 63                         | 214  | 23    | 300        | 54                          | 77   | 69    | 200        | 12                         | 232  | 25    | 269        | 926        |
| Total       | 176                         | 364  | 40    | 580        | 234                        | 701  | 87    | 1022       | 203                         | 309  | 248   | 760        | 46                         | 825  | 148   | 1019       | 3381       |
| 05:00 PM    | 46                          | 105  | 13    | 164        | 53                         | 211  | 26    | 290        | 48                          | 80   | 67    | 195        | 11                         | 210  | 36    | 257        | 906        |
| 05:15 PM    | 46                          | 94   | 21    | 161        | 64                         | 191  | 44    | 299        | 52                          | 105  | 57    | 214        | 8                          | 213  | 45    | 266        | 940        |
| 05:30 PM    | 38                          | 85   | 14    | 137        | 72                         | 226  | 29    | 327        | 44                          | 80   | 66    | 190        | 16                         | 210  | 43    | 269        | 923        |
| 05:45 PM    | 38                          | 87   | 20    | 145        | 49                         | 189  | 26    | 264        | 45                          | 90   | 74    | 209        | 12                         | 211  | 45    | 268        | 886        |
| Total       | 168                         | 371  | 68    | 607        | 238                        | 817  | 125   | 1180       | 189                         | 355  | 264   | 808        | 47                         | 844  | 169   | 1060       | 3655       |
| Grand Total | 344                         | 735  | 108   | 1187       | 472                        | 1518 | 212   | 2202       | 392                         | 664  | 512   | 1568       | 93                         | 1669 | 317   | 2079       | 7036       |
| Apprch %    | 29                          | 61.9 | 9.1   |            | 21.4                       | 68.9 | 9.6   |            | 25                          | 42.3 | 32.7  |            | 4.5                        | 80.3 | 15.2  |            |            |
| Total %     | 4.9                         | 10.4 | 1.5   | 16.9       | 6.7                        | 21.6 | 3     | 31.3       | 5.6                         | 9.4  | 7.3   | 22.3       | 1.3                        | 23.7 | 4.5   | 29.5       |            |

| Start Time   | Placentia Avenue Southbound |            |           |            | Bastanchury Road Westbound |            |           |            | Placentia Avenue Northbound |            |           |            | Bastanchury Road Eastbound |            |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|----------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|----------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                       | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                       | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |            |           |            |                            |            |           |            |                             |            |           |            |                            |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                             |            |           |            |                            |            |           |            |                             |            |           |            |                            |            |           |            |            |
| 04:45 PM   | <b>46</b>                   | 101        | 10        | 157        | 63                         | 214        | 23        | 300        | <b>54</b>                   | 77         | <b>69</b> | 200        | 12                         | <b>232</b> | 25        | <b>269</b> | 926        |
| 05:00 PM   | 46                          | <b>105</b> | 13        | <b>164</b> | 53                         | 211        | 26        | 290        | 48                          | 80         | 67        | 195        | 11                         | 210        | 36        | 257        | 906        |
| 05:15 PM   | 46                          | 94         | <b>21</b> | 161        | 64                         | 191        | <b>44</b> | 299        | 52                          | <b>105</b> | 57        | <b>214</b> | 8                          | 213        | <b>45</b> | 266        | <b>940</b> |
| 05:30 PM   | 38                          | 85         | 14        | 137        | <b>72</b>                  | <b>226</b> | 29        | <b>327</b> | 44                          | 80         | 66        | 190        | <b>16</b>                  | 210        | 43        | 269        | 923        |
| Total Volume   | 176                         | 385        | 58        | 619        | 252                        | 842        | 122       | 1216       | 198                         | 342        | 259       | 799        | 47                         | 865        | 149       | 1061       | 3695       |
| % App. Total   | 28.4                        | 62.2       | 9.4       |            | 20.7                       | 69.2       | 10        |            | 24.8                        | 42.8       | 32.4      |            | 4.4                        | 81.5       | 14        |            |            |
| PHF  | .957                        | .917       | .690      | .944       | .875                       | .931       | .693      | .930       | .917                        | .814       | .938      | .933       | .734                       | .932       | .828      | .986       | .983       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 04PLAPLBAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |            |           |            | 04:45 PM  |            |           |            | 05:00 PM  |            |           |            | 04:45 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 43        | 89         | 10        | 142        | 63        | 214        | 23        | 300        | 48        | 80         | 67        | 195        | 12        | <b>232</b> | 25        | <b>269</b> |
| +15 mins.    | <b>46</b> | 101        | 10        | 157        | 53        | 211        | 26        | 290        | <b>52</b> | <b>105</b> | 57        | <b>214</b> | 11        | 210        | 36        | 257        |
| +30 mins.    | 46        | <b>105</b> | 13        | <b>164</b> | 64        | 191        | <b>44</b> | 299        | 44        | 80         | 66        | 190        | 8         | 213        | <b>45</b> | 266        |
| +45 mins.    | 46        | 94         | <b>21</b> | 161        | <b>72</b> | <b>226</b> | 29        | <b>327</b> | 45        | 90         | <b>74</b> | 209        | <b>16</b> | 210        | 43        | 269        |
| Total Volume | 181       | 389        | 54        | 624        | 252       | 842        | 122       | 1216       | 189       | 355        | 264       | 808        | 47        | 865        | 149       | 1061       |
| % App. Total | 29        | 62.3       | 8.7       |            | 20.7      | 69.2       | 10        |            | 23.4      | 43.9       | 32.7      |            | 4.4       | 81.5       | 14        |            |
| PHF          | .984      | .926       | .643      | .951       | .875      | .931       | .693      | .930       | .909      | .845       | .892      | .944       | .734      | .932       | .828      | .986       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 05PLAKRBAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

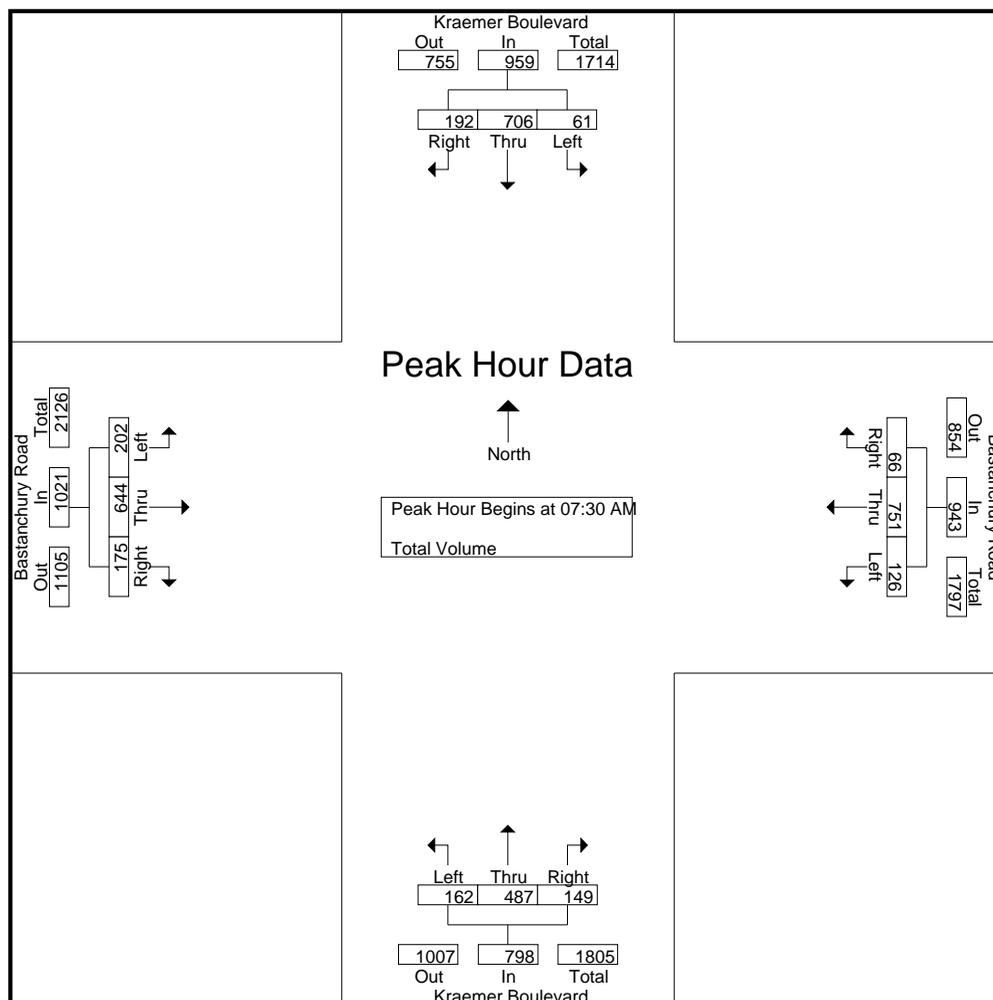
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 5                            | 144  | 38    | 187        | 34                         | 127  | 9     | 170        | 16                           | 40   | 11    | 67         | 25                         | 77   | 39    | 141        | 565        |
| 07:15 AM    | 7                            | 143  | 49    | 199        | 39                         | 186  | 5     | 230        | 28                           | 64   | 27    | 119        | 31                         | 125  | 47    | 203        | 751        |
| 07:30 AM    | 27                           | 204  | 43    | 274        | 43                         | 185  | 12    | 240        | 48                           | 116  | 63    | 227        | 30                         | 231  | 46    | 307        | 1048       |
| 07:45 AM    | 12                           | 174  | 47    | 233        | 39                         | 219  | 27    | 285        | 51                           | 148  | 62    | 261        | 77                         | 172  | 40    | 289        | 1068       |
| Total       | 51                           | 665  | 177   | 893        | 155                        | 717  | 53    | 925        | 143                          | 368  | 163   | 674        | 163                        | 605  | 172   | 940        | 3432       |
| 08:00 AM    | 9                            | 158  | 55    | 222        | 22                         | 175  | 12    | 209        | 25                           | 112  | 14    | 151        | 48                         | 132  | 55    | 235        | 817        |
| 08:15 AM    | 13                           | 170  | 47    | 230        | 22                         | 172  | 15    | 209        | 38                           | 111  | 10    | 159        | 47                         | 109  | 34    | 190        | 788        |
| 08:30 AM    | 13                           | 184  | 60    | 257        | 30                         | 165  | 16    | 211        | 36                           | 143  | 6     | 185        | 37                         | 103  | 41    | 181        | 834        |
| 08:45 AM    | 16                           | 168  | 43    | 227        | 19                         | 180  | 9     | 208        | 39                           | 113  | 12    | 164        | 33                         | 115  | 38    | 186        | 785        |
| Total       | 51                           | 680  | 205   | 936        | 93                         | 692  | 52    | 837        | 138                          | 479  | 42    | 659        | 165                        | 459  | 168   | 792        | 3224       |
| Grand Total | 102                          | 1345 | 382   | 1829       | 248                        | 1409 | 105   | 1762       | 281                          | 847  | 205   | 1333       | 328                        | 1064 | 340   | 1732       | 6656       |
| Apprch %    | 5.6                          | 73.5 | 20.9  |            | 14.1                       | 80   | 6     |            | 21.1                         | 63.5 | 15.4  |            | 18.9                       | 61.4 | 19.6  |            |            |
| Total %     | 1.5                          | 20.2 | 5.7   | 27.5       | 3.7                        | 21.2 | 1.6   | 26.5       | 4.2                          | 12.7 | 3.1   | 20         | 4.9                        | 16   | 5.1   | 26         |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                            |      |       |            |                              |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |      |       |            |                            |      |       |            |                              |      |       |            |                            |      |       |            |            |
| 07:30 AM   | 27                           | 204  | 43    | 274        | 43                         | 185  | 12    | 240        | 48                           | 116  | 63    | 227        | 30                         | 231  | 46    | 307        | 1048       |
| 07:45 AM   | 12                           | 174  | 47    | 233        | 39                         | 219  | 27    | 285        | 51                           | 148  | 62    | 261        | 77                         | 172  | 40    | 289        | 1068       |
| 08:00 AM   | 9                            | 158  | 55    | 222        | 22                         | 175  | 12    | 209        | 25                           | 112  | 14    | 151        | 48                         | 132  | 55    | 235        | 817        |
| 08:15 AM   | 13                           | 170  | 47    | 230        | 22                         | 172  | 15    | 209        | 38                           | 111  | 10    | 159        | 47                         | 109  | 34    | 190        | 788        |
| Total Volume   | 61                           | 706  | 192   | 959        | 126                        | 751  | 66    | 943        | 162                          | 487  | 149   | 798        | 202                        | 644  | 175   | 1021       | 3721       |
| % App. Total   | 6.4                          | 73.6 | 20    |            | 13.4                       | 79.6 | 7     |            | 20.3                         | 61   | 18.7  |            | 19.8                       | 63.1 | 17.1  |            |            |
| PHF  | .565                         | .865 | .873  | .875       | .733                       | .857 | .611  | .827       | .794                         | .823 | .591  | .764       | .656                       | .697 | .795  | .831       | .871       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 05PLAKRBAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | <b>27</b> | <b>204</b> | 43        | <b>274</b> | 39        | 186        | 5         | 230        | 48        | 116        | <b>63</b> | 227        | 31        | 125        | 47        | 203        |
| +15 mins.    | 12        | 174        | 47        | 233        | <b>43</b> | 185        | 12        | 240        | <b>51</b> | <b>148</b> | 62        | <b>261</b> | 30        | <b>231</b> | 46        | <b>307</b> |
| +30 mins.    | 9         | 158        | <b>55</b> | 222        | 39        | <b>219</b> | <b>27</b> | <b>285</b> | 25        | 112        | 14        | 151        | <b>77</b> | 172        | 40        | 289        |
| +45 mins.    | 13        | 170        | 47        | 230        | 22        | 175        | 12        | 209        | 38        | 111        | 10        | 159        | 48        | 132        | <b>55</b> | 235        |
| Total Volume | 61        | 706        | 192       | 959        | 143       | 765        | 56        | 964        | 162       | 487        | 149       | 798        | 186       | 660        | 188       | 1034       |
| % App. Total | 6.4       | 73.6       | 20        |            | 14.8      | 79.4       | 5.8       |            | 20.3      | 61         | 18.7      |            | 18        | 63.8       | 18.2      |            |
| PHF          | .565      | .865       | .873      | .875       | .831      | .873       | .519      | .846       | .794      | .823       | .591      | .764       | .604      | .714       | .855      | .842       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 05PLAKRBAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

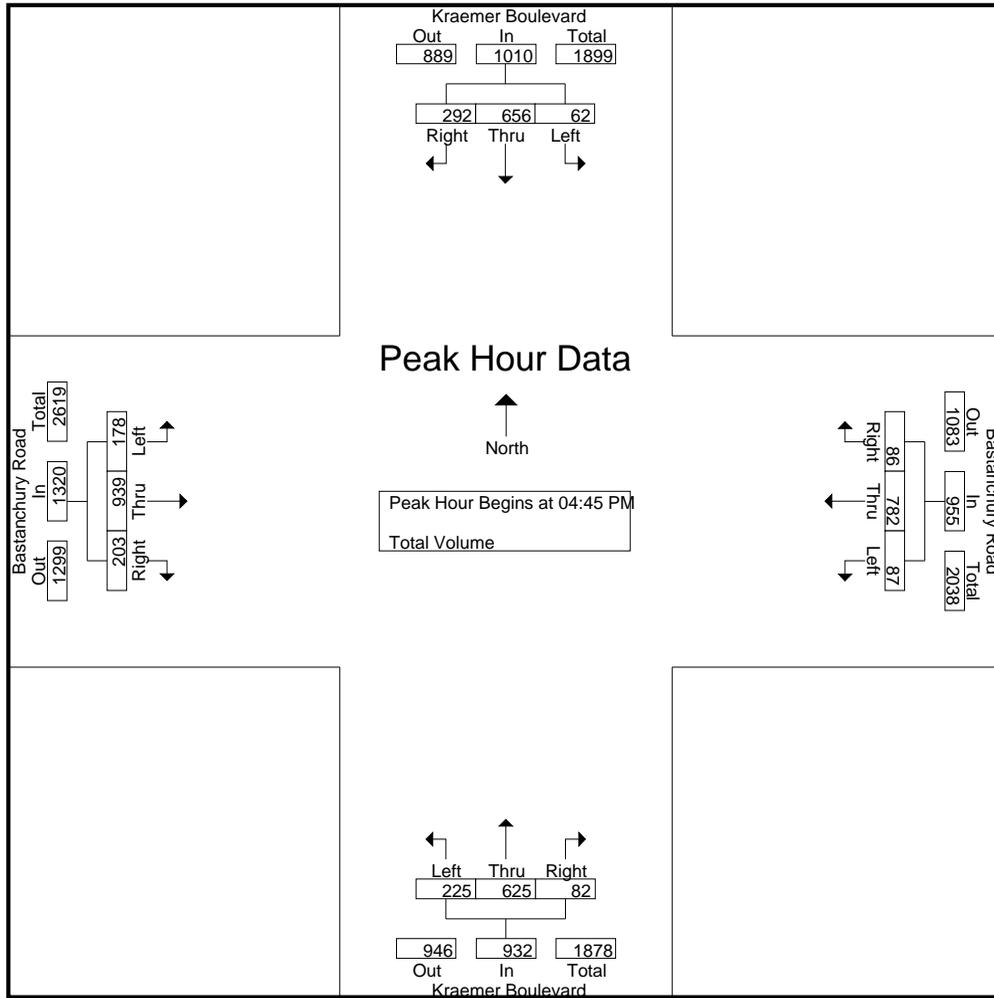
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 04:00 PM    | 10                           | 153  | 59    | 222        | 23                         | 153  | 11    | 187        | 33                           | 131  | 18    | 182        | 46                         | 199  | 40    | 285        | 876        |
| 04:15 PM    | 15                           | 176  | 59    | 250        | 25                         | 143  | 8     | 176        | 42                           | 160  | 22    | 224        | 40                         | 206  | 46    | 292        | 942        |
| 04:30 PM    | 16                           | 199  | 85    | 300        | 23                         | 125  | 12    | 160        | 53                           | 134  | 26    | 213        | 50                         | 205  | 36    | 291        | 964        |
| 04:45 PM    | 13                           | 165  | 71    | 249        | 23                         | 177  | 23    | 223        | 57                           | 146  | 26    | 229        | 47                         | 227  | 53    | 327        | 1028       |
| Total       | 54                           | 693  | 274   | 1021       | 94                         | 598  | 54    | 746        | 185                          | 571  | 92    | 848        | 183                        | 837  | 175   | 1195       | 3810       |
| 05:00 PM    | 15                           | 181  | 69    | 265        | 17                         | 191  | 22    | 230        | 53                           | 162  | 22    | 237        | 45                         | 258  | 57    | 360        | 1092       |
| 05:15 PM    | 13                           | 156  | 67    | 236        | 24                         | 217  | 19    | 260        | 65                           | 150  | 14    | 229        | 38                         | 233  | 57    | 328        | 1053       |
| 05:30 PM    | 21                           | 154  | 85    | 260        | 23                         | 197  | 22    | 242        | 50                           | 167  | 20    | 237        | 48                         | 221  | 36    | 305        | 1044       |
| 05:45 PM    | 13                           | 166  | 50    | 229        | 19                         | 178  | 18    | 215        | 59                           | 164  | 26    | 249        | 50                         | 206  | 50    | 306        | 999        |
| Total       | 62                           | 657  | 271   | 990        | 83                         | 783  | 81    | 947        | 227                          | 643  | 82    | 952        | 181                        | 918  | 200   | 1299       | 4188       |
| Grand Total | 116                          | 1350 | 545   | 2011       | 177                        | 1381 | 135   | 1693       | 412                          | 1214 | 174   | 1800       | 364                        | 1755 | 375   | 2494       | 7998       |
| Apprch %    | 5.8                          | 67.1 | 27.1  |            | 10.5                       | 81.6 | 8     |            | 22.9                         | 67.4 | 9.7   |            | 14.6                       | 70.4 | 15    |            |            |
| Total %     | 1.5                          | 16.9 | 6.8   | 25.1       | 2.2                        | 17.3 | 1.7   | 21.2       | 5.2                          | 15.2 | 2.2   | 22.5       | 4.6                        | 21.9 | 4.7   | 31.2       |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |      |       |            |                            |      |       |            |                              |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                              |      |       |            |                            |      |       |            |                              |      |       |            |                            |      |       |            |            |
| 04:45 PM   | 13                           | 165  | 71    | 249        | 23                         | 177  | 23    | 223        | 57                           | 146  | 26    | 229        | 47                         | 227  | 53    | 327        | 1028       |
| 05:00 PM   | 15                           | 181  | 69    | 265        | 17                         | 191  | 22    | 230        | 53                           | 162  | 22    | 237        | 45                         | 258  | 57    | 360        | 1092       |
| 05:15 PM   | 13                           | 156  | 67    | 236        | 24                         | 217  | 19    | 260        | 65                           | 150  | 14    | 229        | 38                         | 233  | 57    | 328        | 1053       |
| 05:30 PM   | 21                           | 154  | 85    | 260        | 23                         | 197  | 22    | 242        | 50                           | 167  | 20    | 237        | 48                         | 221  | 36    | 305        | 1044       |
| Total Volume   | 62                           | 656  | 292   | 1010       | 87                         | 782  | 86    | 955        | 225                          | 625  | 82    | 932        | 178                        | 939  | 203   | 1320       | 4217       |
| % App. Total   | 6.1                          | 65   | 28.9  |            | 9.1                        | 81.9 | 9     |            | 24.1                         | 67.1 | 8.8   |            | 13.5                       | 71.1 | 15.4  |            |            |
| PHF  | .738                         | .906 | .859  | .953       | .906                       | .901 | .935  | .918       | .865                         | .936 | .788  | .983       | .927                       | .910 | .890  | .917       | .965       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 05PLAKRBAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM  |            |           |            | 04:45 PM  |            |           |            | 05:00 PM  |            |           |            | 04:45 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 15        | 176        | 59        | 250        | 23        | 177        | <b>23</b> | 223        | 53        | 162        | 22        | 237        | 47        | 227        | 53        | 327        |
| +15 mins.    | <b>16</b> | <b>199</b> | <b>85</b> | <b>300</b> | 17        | 191        | 22        | 230        | <b>65</b> | 150        | 14        | 229        | 45        | <b>258</b> | <b>57</b> | <b>360</b> |
| +30 mins.    | 13        | 165        | 71        | 249        | <b>24</b> | <b>217</b> | 19        | <b>260</b> | 50        | <b>167</b> | 20        | 237        | 38        | 233        | 57        | 328        |
| +45 mins.    | 15        | 181        | 69        | 265        | 23        | 197        | 22        | 242        | 59        | 164        | <b>26</b> | <b>249</b> | <b>48</b> | 221        | 36        | 305        |
| Total Volume | 59        | 721        | 284       | 1064       | 87        | 782        | 86        | 955        | 227       | 643        | 82        | 952        | 178       | 939        | 203       | 1320       |
| % App. Total | 5.5       | 67.8       | 26.7      |            | 9.1       | 81.9       | 9         |            | 23.8      | 67.5       | 8.6       |            | 13.5      | 71.1       | 15.4      |            |
| PHF          | .922      | .906       | .835      | .887       | .906      | .901       | .935      | .918       | .873      | .963       | .788      | .956       | .927      | .910       | .890      | .917       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 06PLAVABAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

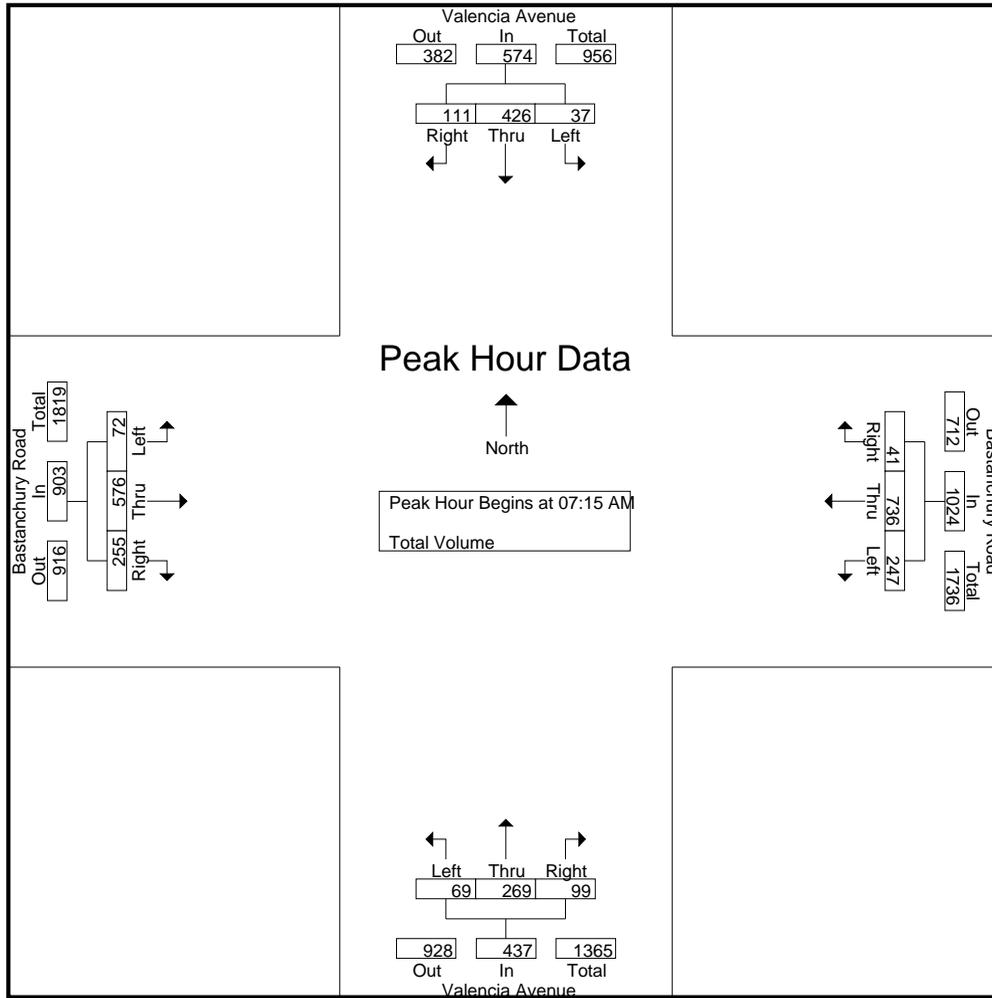
Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 7                          | 63   | 19    | 89         | 6                          | 113  | 3     | 122        | 10                         | 23   | 8     | 41         | 15                         | 65   | 16    | 96         | 348        |
| 07:15 AM    | 10                         | 105  | 34    | 149        | 36                         | 161  | 12    | 209        | 19                         | 40   | 16    | 75         | 9                          | 105  | 52    | 166        | 599        |
| 07:30 AM    | 13                         | 157  | 32    | 202        | 110                        | 186  | 12    | 308        | 17                         | 90   | 36    | 143        | 18                         | 133  | 107   | 258        | 911        |
| 07:45 AM    | 6                          | 107  | 25    | 138        | 92                         | 218  | 7     | 317        | 24                         | 96   | 33    | 153        | 31                         | 190  | 78    | 299        | 907        |
| Total       | 36                         | 432  | 110   | 578        | 244                        | 678  | 34    | 956        | 70                         | 249  | 93    | 412        | 73                         | 493  | 253   | 819        | 2765       |
| 08:00 AM    | 8                          | 57   | 20    | 85         | 9                          | 171  | 10    | 190        | 9                          | 43   | 14    | 66         | 14                         | 148  | 18    | 180        | 521        |
| 08:15 AM    | 12                         | 61   | 20    | 93         | 5                          | 165  | 8     | 178        | 15                         | 57   | 9     | 81         | 13                         | 102  | 19    | 134        | 486        |
| 08:30 AM    | 10                         | 71   | 24    | 105        | 1                          | 174  | 13    | 188        | 14                         | 35   | 11    | 60         | 17                         | 91   | 23    | 131        | 484        |
| 08:45 AM    | 6                          | 59   | 21    | 86         | 9                          | 124  | 6     | 139        | 17                         | 41   | 6     | 64         | 9                          | 115  | 25    | 149        | 438        |
| Total       | 36                         | 248  | 85    | 369        | 24                         | 634  | 37    | 695        | 55                         | 176  | 40    | 271        | 53                         | 456  | 85    | 594        | 1929       |
| Grand Total | 72                         | 680  | 195   | 947        | 268                        | 1312 | 71    | 1651       | 125                        | 425  | 133   | 683        | 126                        | 949  | 338   | 1413       | 4694       |
| Apprch %    | 7.6                        | 71.8 | 20.6  |            | 16.2                       | 79.5 | 4.3   |            | 18.3                       | 62.2 | 19.5  |            | 8.9                        | 67.2 | 23.9  |            |            |
| Total %     | 1.5                        | 14.5 | 4.2   | 20.2       | 5.7                        | 28   | 1.5   | 35.2       | 2.7                        | 9.1  | 2.8   | 14.6       | 2.7                        | 20.2 | 7.2   | 30.1       |            |

| Start Time   | Valencia Avenue Southbound |            |           |            | Bastanchury Road Westbound |            |           |            | Valencia Avenue Northbound |           |           |            | Bastanchury Road Eastbound |            |            |            | Int. Total |
|--|----------------------------|------------|-----------|------------|----------------------------|------------|-----------|------------|----------------------------|-----------|-----------|------------|----------------------------|------------|------------|------------|------------|
|  | Left                       | Thru       | Right     | App. Total | Left                       | Thru       | Right     | App. Total | Left                       | Thru      | Right     | App. Total | Left                       | Thru       | Right      | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |            |           |            |                            |            |           |            |                            |           |           |            |                            |            |            |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |            |           |            |                            |            |           |            |                            |           |           |            |                            |            |            |            |            |
| 07:15 AM   | 10                         | 105        | <b>34</b> | 149        | 36                         | 161        | <b>12</b> | 209        | 19                         | 40        | 16        | 75         | 9                          | 105        | 52         | 166        | 599        |
| 07:30 AM   | <b>13</b>                  | <b>157</b> | 32        | <b>202</b> | <b>110</b>                 | 186        | 12        | 308        | 17                         | 90        | <b>36</b> | 143        | 18                         | 133        | <b>107</b> | 258        | <b>911</b> |
| 07:45 AM   | 6                          | 107        | 25        | 138        | 92                         | <b>218</b> | 7         | <b>317</b> | <b>24</b>                  | <b>96</b> | 33        | <b>153</b> | <b>31</b>                  | <b>190</b> | 78         | <b>299</b> | 907        |
| 08:00 AM   | 8                          | 57         | 20        | 85         | 9                          | 171        | 10        | 190        | 9                          | 43        | 14        | 66         | 14                         | 148        | 18         | 180        | 521        |
| Total Volume   | 37                         | 426        | 111       | 574        | 247                        | 736        | 41        | 1024       | 69                         | 269       | 99        | 437        | 72                         | 576        | 255        | 903        | 2938       |
| % App. Total   | 6.4                        | 74.2       | 19.3      |            | 24.1                       | 71.9       | 4         |            | 15.8                       | 61.6      | 22.7      |            | 8                          | 63.8       | 28.2       |            |            |
| PHF  | .712                       | .678       | .816      | .710       | .561                       | .844       | .854      | .808       | .719                       | .701      | .688      | .714       | .581                       | .758       | .596       | .755       | .806       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 06PLAVABAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:00 AM  |            |           |            | 07:15 AM   |            |           |            | 07:30 AM  |           |           |            | 07:45 AM  |            |            |            |
|--------------|-----------|------------|-----------|------------|------------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|------------|------------|
| +0 mins.     | 7         | 63         | 19        | 89         | 36         | 161        | <b>12</b> | 209        | 17        | 90        | <b>36</b> | 143        | 9         | 105        | 52         | 166        |
| +15 mins.    | 10        | 105        | <b>34</b> | 149        | <b>110</b> | 186        | 12        | 308        | <b>24</b> | <b>96</b> | 33        | <b>153</b> | 18        | 133        | <b>107</b> | 258        |
| +30 mins.    | <b>13</b> | <b>157</b> | 32        | <b>202</b> | 92         | <b>218</b> | 7         | <b>317</b> | 9         | 43        | 14        | 66         | <b>31</b> | <b>190</b> | 78         | <b>299</b> |
| +45 mins.    | 6         | 107        | 25        | 138        | 9          | 171        | 10        | 190        | 15        | 57        | 9         | 81         | 14        | 148        | 18         | 180        |
| Total Volume | 36        | 432        | 110       | 578        | 247        | 736        | 41        | 1024       | 65        | 286       | 92        | 443        | 72        | 576        | 255        | 903        |
| % App. Total | 6.2       | 74.7       | 19        |            | 24.1       | 71.9       | 4         |            | 14.7      | 64.6      | 20.8      |            | 8         | 63.8       | 28.2       |            |
| PHF          | .692      | .688       | .809      | .715       | .561       | .844       | .854      | .808       | .677      | .745      | .639      | .724       | .581      | .758       | .596       | .755       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 06PLAVABAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

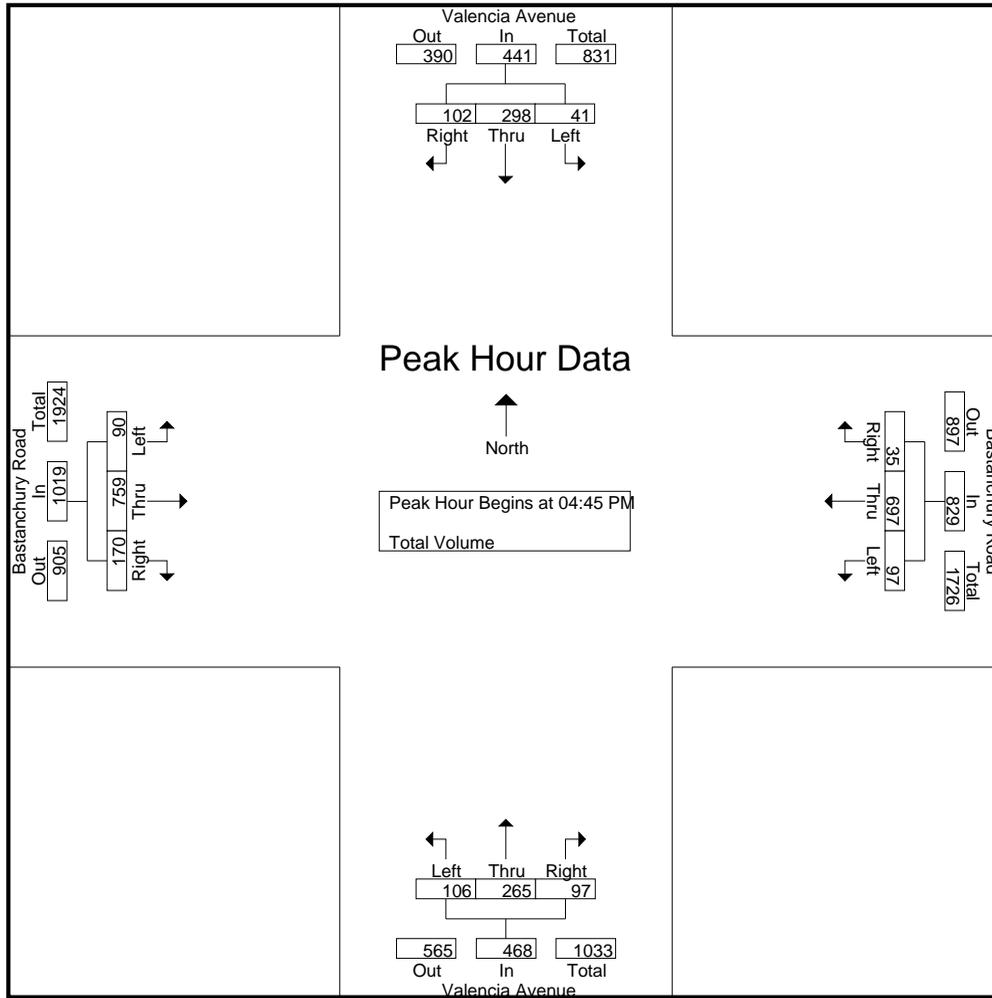
Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 04:00 PM    | 10                         | 72   | 32    | 114        | 14                         | 118  | 7     | 139        | 29                         | 63   | 11    | 103        | 19                         | 168  | 26    | 213        | 569        |
| 04:15 PM    | 8                          | 46   | 15    | 69         | 21                         | 120  | 7     | 148        | 29                         | 55   | 20    | 104        | 21                         | 203  | 36    | 260        | 581        |
| 04:30 PM    | 8                          | 90   | 20    | 118        | 16                         | 140  | 4     | 160        | 12                         | 45   | 9     | 66         | 18                         | 200  | 40    | 258        | 602        |
| 04:45 PM    | 9                          | 63   | 21    | 93         | 14                         | 172  | 10    | 196        | 29                         | 61   | 22    | 112        | 22                         | 191  | 44    | 257        | 658        |
| Total       | 35                         | 271  | 88    | 394        | 65                         | 550  | 28    | 643        | 99                         | 224  | 62    | 385        | 80                         | 762  | 146   | 988        | 2410       |
| 05:00 PM    | 6                          | 96   | 31    | 133        | 37                         | 178  | 8     | 223        | 33                         | 70   | 33    | 136        | 19                         | 190  | 66    | 275        | 767        |
| 05:15 PM    | 13                         | 81   | 23    | 117        | 26                         | 165  | 5     | 196        | 30                         | 76   | 33    | 139        | 26                         | 182  | 33    | 241        | 693        |
| 05:30 PM    | 13                         | 58   | 27    | 98         | 20                         | 182  | 12    | 214        | 14                         | 58   | 9     | 81         | 23                         | 196  | 27    | 246        | 639        |
| 05:45 PM    | 11                         | 70   | 16    | 97         | 12                         | 168  | 9     | 189        | 30                         | 61   | 17    | 108        | 18                         | 201  | 44    | 263        | 657        |
| Total       | 43                         | 305  | 97    | 445        | 95                         | 693  | 34    | 822        | 107                        | 265  | 92    | 464        | 86                         | 769  | 170   | 1025       | 2756       |
| Grand Total | 78                         | 576  | 185   | 839        | 160                        | 1243 | 62    | 1465       | 206                        | 489  | 154   | 849        | 166                        | 1531 | 316   | 2013       | 5166       |
| Apprch %    | 9.3                        | 68.7 | 22.1  |            | 10.9                       | 84.8 | 4.2   |            | 24.3                       | 57.6 | 18.1  |            | 8.2                        | 76.1 | 15.7  |            |            |
| Total %     | 1.5                        | 11.1 | 3.6   | 16.2       | 3.1                        | 24.1 | 1.2   | 28.4       | 4                          | 9.5  | 3     | 16.4       | 3.2                        | 29.6 | 6.1   | 39         |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                            |      |       |            |                            |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                            |      |       |            |                            |      |       |            |                            |      |       |            |                            |      |       |            |            |
| 04:45 PM   | 9                          | 63   | 21    | 93         | 14                         | 172  | 10    | 196        | 29                         | 61   | 22    | 112        | 22                         | 191  | 44    | 257        | 658        |
| 05:00 PM   | 6                          | 96   | 31    | 133        | 37                         | 178  | 8     | 223        | 33                         | 70   | 33    | 136        | 19                         | 190  | 66    | 275        | 767        |
| 05:15 PM   | 13                         | 81   | 23    | 117        | 26                         | 165  | 5     | 196        | 30                         | 76   | 33    | 139        | 26                         | 182  | 33    | 241        | 693        |
| 05:30 PM   | 13                         | 58   | 27    | 98         | 20                         | 182  | 12    | 214        | 14                         | 58   | 9     | 81         | 23                         | 196  | 27    | 246        | 639        |
| Total Volume   | 41                         | 298  | 102   | 441        | 97                         | 697  | 35    | 829        | 106                        | 265  | 97    | 468        | 90                         | 759  | 170   | 1019       | 2757       |
| % App. Total   | 9.3                        | 67.6 | 23.1  |            | 11.7                       | 84.1 | 4.2   |            | 22.6                       | 56.6 | 20.7  |            | 8.8                        | 74.5 | 16.7  |            |            |
| PHF  | .788                       | .776 | .823  | .829       | .655                       | .957 | .729  | .929       | .803                       | .872 | .735  | .842       | .865                       | .968 | .644  | .926       | .899       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 06PLAVABAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |           |           |            | 04:45 PM  |            |           |            | 04:45 PM  |           |           |            | 04:15 PM  |            |           |            |
|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 8         | 90        | 20        | 118        | 14        | 172        | 10        | 196        | 29        | 61        | 22        | 112        | 21        | <b>203</b> | 36        | 260        |
| +15 mins.    | 9         | 63        | 21        | 93         | <b>37</b> | 178        | 8         | <b>223</b> | <b>33</b> | 70        | <b>33</b> | 136        | 18        | 200        | 40        | 258        |
| +30 mins.    | 6         | <b>96</b> | <b>31</b> | <b>133</b> | 26        | 165        | 5         | 196        | 30        | <b>76</b> | 33        | <b>139</b> | <b>22</b> | 191        | 44        | 257        |
| +45 mins.    | <b>13</b> | 81        | 23        | 117        | 20        | <b>182</b> | <b>12</b> | 214        | 14        | 58        | 9         | 81         | 19        | 190        | <b>66</b> | <b>275</b> |
| Total Volume | 36        | 330       | 95        | 461        | 97        | 697        | 35        | 829        | 106       | 265       | 97        | 468        | 80        | 784        | 186       | 1050       |
| % App. Total | 7.8       | 71.6      | 20.6      |            | 11.7      | 84.1       | 4.2       |            | 22.6      | 56.6      | 20.7      |            | 7.6       | 74.7       | 17.7      |            |
| PHF          | .692      | .859      | .766      | .867       | .655      | .957       | .729      | .929       | .803      | .872      | .735      | .842       | .909      | .966       | .705      | .955       |

City of Placentia  
 N/S: McCormack Lane  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 07PLAMCBAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

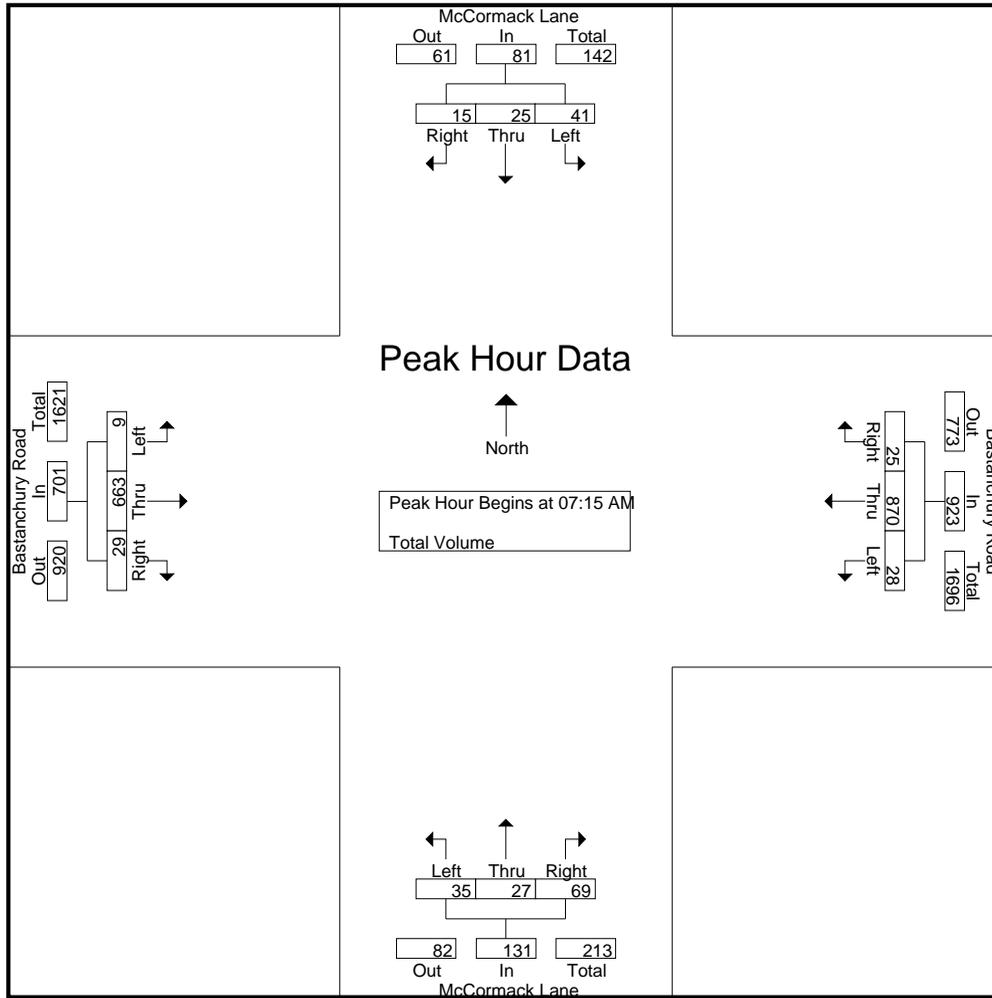
Groups Printed- Total Volume

| Start Time  | McCormack Lane Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | McCormack Lane Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 3                         | 2    | 0     | 5          | 1                          | 120  | 1     | 122        | 3                         | 0    | 6     | 9          | 1                          | 86   | 0     | 87         | 223        |
| 07:15 AM    | 3                         | 3    | 1     | 7          | 4                          | 194  | 2     | 200        | 8                         | 3    | 7     | 18         | 0                          | 135  | 2     | 137        | 362        |
| 07:30 AM    | 10                        | 3    | 4     | 17         | 5                          | 290  | 15    | 310        | 16                        | 6    | 19    | 41         | 3                          | 162  | 6     | 171        | 539        |
| 07:45 AM    | 23                        | 14   | 6     | 43         | 7                          | 229  | 8     | 244        | 8                         | 12   | 30    | 50         | 5                          | 209  | 12    | 226        | 563        |
| Total       | 39                        | 22   | 11    | 72         | 17                         | 833  | 26    | 876        | 35                        | 21   | 62    | 118        | 9                          | 592  | 20    | 621        | 1687       |
| 08:00 AM    | 5                         | 5    | 4     | 14         | 12                         | 157  | 0     | 169        | 3                         | 6    | 13    | 22         | 1                          | 157  | 9     | 167        | 372        |
| 08:15 AM    | 1                         | 4    | 2     | 7          | 3                          | 156  | 1     | 160        | 9                         | 4    | 10    | 23         | 0                          | 125  | 5     | 130        | 320        |
| 08:30 AM    | 2                         | 3    | 2     | 7          | 5                          | 170  | 0     | 175        | 12                        | 5    | 10    | 27         | 2                          | 100  | 6     | 108        | 317        |
| 08:45 AM    | 1                         | 0    | 1     | 2          | 3                          | 118  | 2     | 123        | 3                         | 2    | 6     | 11         | 3                          | 129  | 7     | 139        | 275        |
| Total       | 9                         | 12   | 9     | 30         | 23                         | 601  | 3     | 627        | 27                        | 17   | 39    | 83         | 6                          | 511  | 27    | 544        | 1284       |
| Grand Total | 48                        | 34   | 20    | 102        | 40                         | 1434 | 29    | 1503       | 62                        | 38   | 101   | 201        | 15                         | 1103 | 47    | 1165       | 2971       |
| Apprch %    | 47.1                      | 33.3 | 19.6  |            | 2.7                        | 95.4 | 1.9   |            | 30.8                      | 18.9 | 50.2  |            | 1.3                        | 94.7 | 4     |            |            |
| Total %     | 1.6                       | 1.1  | 0.7   | 3.4        | 1.3                        | 48.3 | 1     | 50.6       | 2.1                       | 1.3  | 3.4   | 6.8        | 0.5                        | 37.1 | 1.6   | 39.2       |            |

| Start Time   | McCormack Lane Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | McCormack Lane Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                           |      |       |            |                            |      |       |            |                           |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                           |      |       |            |                            |      |       |            |                           |      |       |            |                            |      |       |            |            |
| 07:15 AM   | 3                         | 3    | 1     | 7          | 4                          | 194  | 2     | 200        | 8                         | 3    | 7     | 18         | 0                          | 135  | 2     | 137        | 362        |
| 07:30 AM   | 10                        | 3    | 4     | 17         | 5                          | 290  | 15    | 310        | 16                        | 6    | 19    | 41         | 3                          | 162  | 6     | 171        | 539        |
| 07:45 AM   | 23                        | 14   | 6     | 43         | 7                          | 229  | 8     | 244        | 8                         | 12   | 30    | 50         | 5                          | 209  | 12    | 226        | 563        |
| 08:00 AM   | 5                         | 5    | 4     | 14         | 12                         | 157  | 0     | 169        | 3                         | 6    | 13    | 22         | 1                          | 157  | 9     | 167        | 372        |
| Total Volume   | 41                        | 25   | 15    | 81         | 28                         | 870  | 25    | 923        | 35                        | 27   | 69    | 131        | 9                          | 663  | 29    | 701        | 1836       |
| % App. Total   | 50.6                      | 30.9 | 18.5  |            | 3                          | 94.3 | 2.7   |            | 26.7                      | 20.6 | 52.7  |            | 1.3                        | 94.6 | 4.1   |            |            |
| PHF  | .446                      | .446 | .625  | .471       | .583                       | .750 | .417  | .744       | .547                      | .563 | .575  | .655       | .450                       | .793 | .604  | .775       | .815       |

City of Placentia  
 N/S: McCormack Lane  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 07PLAMCBAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |          |           | 07:15 AM  |            |           |            | 07:30 AM  |           |           |           | 07:15 AM |            |           |            |
|--------------|-----------|-----------|----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|----------|------------|-----------|------------|
| +0 mins.     | 3         | 3         | 1        | 7         | 4         | 194        | 2         | 200        | <b>16</b> | 6         | 19        | 41        | 0        | 135        | 2         | 137        |
| +15 mins.    | 10        | 3         | 4        | 17        | 5         | <b>290</b> | <b>15</b> | <b>310</b> | 8         | <b>12</b> | <b>30</b> | <b>50</b> | 3        | 162        | 6         | 171        |
| +30 mins.    | <b>23</b> | <b>14</b> | <b>6</b> | <b>43</b> | 7         | 229        | 8         | 244        | 3         | 6         | 13        | 22        | <b>5</b> | <b>209</b> | <b>12</b> | <b>226</b> |
| +45 mins.    | 5         | 5         | 4        | 14        | <b>12</b> | 157        | 0         | 169        | 9         | 4         | 10        | 23        | 1        | 157        | 9         | 167        |
| Total Volume | 41        | 25        | 15       | 81        | 28        | 870        | 25        | 923        | 36        | 28        | 72        | 136       | 9        | 663        | 29        | 701        |
| % App. Total | 50.6      | 30.9      | 18.5     |           | 3         | 94.3       | 2.7       |            | 26.5      | 20.6      | 52.9      |           | 1.3      | 94.6       | 4.1       |            |
| PHF          | .446      | .446      | .625     | .471      | .583      | .750       | .417      | .744       | .563      | .583      | .600      | .680      | .450     | .793       | .604      | .775       |

City of Placentia  
 N/S: McCormack Lane  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 07PLAMCBAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

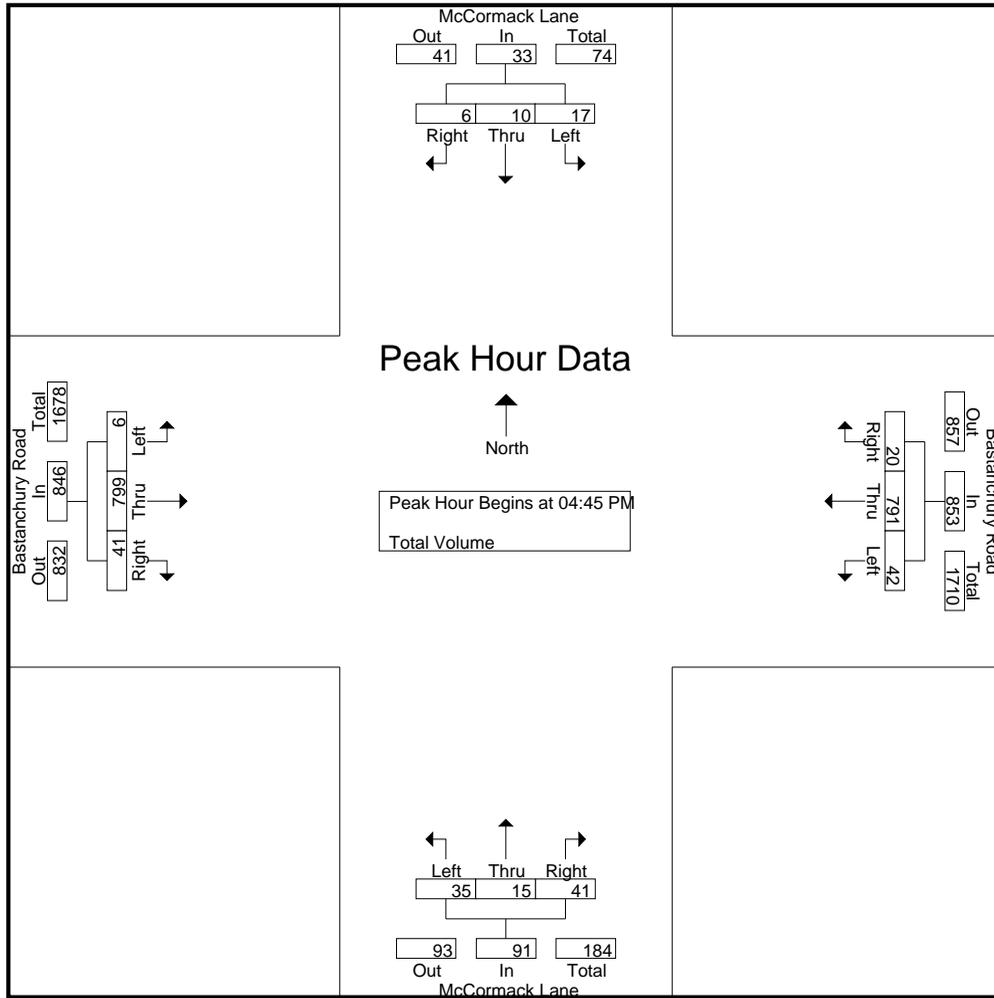
Groups Printed- Total Volume

| Start Time         | McCormack Lane Southbound |           |          |            | Bastanchury Road Westbound |             |           |             | McCormack Lane Northbound |           |           |            | Bastanchury Road Eastbound |             |           |             | Int. Total  |
|--------------------|---------------------------|-----------|----------|------------|----------------------------|-------------|-----------|-------------|---------------------------|-----------|-----------|------------|----------------------------|-------------|-----------|-------------|-------------|
|                    | Left                      | Thru      | Right    | App. Total | Left                       | Thru        | Right     | App. Total  | Left                      | Thru      | Right     | App. Total | Left                       | Thru        | Right     | App. Total  |             |
| 04:00 PM           | 2                         | 5         | 1        | 8          | 10                         | 137         | 6         | 153         | 5                         | 4         | 5         | 14         | 2                          | 172         | 6         | 180         | 355         |
| 04:15 PM           | 6                         | 3         | 1        | 10         | 11                         | 160         | 7         | 178         | 5                         | 3         | 7         | 15         | 0                          | 206         | 7         | 213         | 416         |
| 04:30 PM           | 2                         | 4         | 1        | 7          | 10                         | 133         | 5         | 148         | 2                         | 6         | 8         | 16         | 4                          | 199         | 8         | 211         | 382         |
| 04:45 PM           | 5                         | 0         | 1        | 6          | 10                         | 189         | 4         | 203         | 10                        | 4         | 12        | 26         | 0                          | 205         | 9         | 214         | 449         |
| <b>Total</b>       | <b>15</b>                 | <b>12</b> | <b>4</b> | <b>31</b>  | <b>41</b>                  | <b>619</b>  | <b>22</b> | <b>682</b>  | <b>22</b>                 | <b>17</b> | <b>32</b> | <b>71</b>  | <b>6</b>                   | <b>782</b>  | <b>30</b> | <b>818</b>  | <b>1602</b> |
| 05:00 PM           | 5                         | 5         | 1        | 11         | 12                         | 205         | 3         | 220         | 12                        | 4         | 10        | 26         | 4                          | 200         | 12        | 216         | 473         |
| 05:15 PM           | 4                         | 2         | 2        | 8          | 10                         | 187         | 6         | 203         | 6                         | 4         | 13        | 23         | 0                          | 203         | 10        | 213         | 447         |
| 05:30 PM           | 3                         | 3         | 2        | 8          | 10                         | 210         | 7         | 227         | 7                         | 3         | 6         | 16         | 2                          | 191         | 10        | 203         | 454         |
| 05:45 PM           | 2                         | 3         | 0        | 5          | 8                          | 175         | 3         | 186         | 4                         | 2         | 5         | 11         | 2                          | 202         | 11        | 215         | 417         |
| <b>Total</b>       | <b>14</b>                 | <b>13</b> | <b>5</b> | <b>32</b>  | <b>40</b>                  | <b>777</b>  | <b>19</b> | <b>836</b>  | <b>29</b>                 | <b>13</b> | <b>34</b> | <b>76</b>  | <b>8</b>                   | <b>796</b>  | <b>43</b> | <b>847</b>  | <b>1791</b> |
| <b>Grand Total</b> | <b>29</b>                 | <b>25</b> | <b>9</b> | <b>63</b>  | <b>81</b>                  | <b>1396</b> | <b>41</b> | <b>1518</b> | <b>51</b>                 | <b>30</b> | <b>66</b> | <b>147</b> | <b>14</b>                  | <b>1578</b> | <b>73</b> | <b>1665</b> | <b>3393</b> |
| Apprch %           | 46                        | 39.7      | 14.3     |            | 5.3                        | 92          | 2.7       |             | 34.7                      | 20.4      | 44.9      |            | 0.8                        | 94.8        | 4.4       |             |             |
| Total %            | 0.9                       | 0.7       | 0.3      | 1.9        | 2.4                        | 41.1        | 1.2       | 44.7        | 1.5                       | 0.9       | 1.9       | 4.3        | 0.4                        | 46.5        | 2.2       | 49.1        |             |

| Start Time   | McCormack Lane Southbound |      |       |            | Bastanchury Road Westbound |      |       |            | McCormack Lane Northbound |      |       |            | Bastanchury Road Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                           |      |       |            |                            |      |       |            |                           |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                           |      |       |            |                            |      |       |            |                           |      |       |            |                            |      |       |            |            |
| 04:45 PM   | 5                         | 0    | 1     | 6          | 10                         | 189  | 4     | 203        | 10                        | 4    | 12    | 26         | 0                          | 205  | 9     | 214        | 449        |
| 05:00 PM   | 5                         | 5    | 1     | 11         | 12                         | 205  | 3     | 220        | 12                        | 4    | 10    | 26         | 4                          | 200  | 12    | 216        | 473        |
| 05:15 PM   | 4                         | 2    | 2     | 8          | 10                         | 187  | 6     | 203        | 6                         | 4    | 13    | 23         | 0                          | 203  | 10    | 213        | 447        |
| 05:30 PM   | 3                         | 3    | 2     | 8          | 10                         | 210  | 7     | 227        | 7                         | 3    | 6     | 16         | 2                          | 191  | 10    | 203        | 454        |
| Total Volume   | 17                        | 10   | 6     | 33         | 42                         | 791  | 20    | 853        | 35                        | 15   | 41    | 91         | 6                          | 799  | 41    | 846        | 1823       |
| % App. Total   | 51.5                      | 30.3 | 18.2  |            | 4.9                        | 92.7 | 2.3   |            | 38.5                      | 16.5 | 45.1  |            | 0.7                        | 94.4 | 4.8   |            |            |
| PHF  | .850                      | .500 | .750  | .750       | .875                       | .942 | .714  | .939       | .729                      | .938 | .788  | .875       | .375                       | .974 | .854  | .979       | .964       |

City of Placentia  
 N/S: McCormack Lane  
 E/W: Bastanchury Road  
 Weather: Clear

File Name : 07PLAMCBAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM |      |       |      | 04:45 PM |      |      |      | 04:30 PM |      |      |      | 04:15 PM |      |      |      |
|--------------|----------|------|-------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 6        | 3    | 1     | 10   | 10       | 189  | 4    | 203  | 2        | 6    | 8    | 16   | 0        | 206  | 7    | 213  |
| +15 mins.    | 2        | 4    | 1     | 7    | 12       | 205  | 3    | 220  | 10       | 4    | 12   | 26   | 4        | 199  | 8    | 211  |
| +30 mins.    | 5        | 0    | 1     | 6    | 10       | 187  | 6    | 203  | 12       | 4    | 10   | 26   | 0        | 205  | 9    | 214  |
| +45 mins.    | 5        | 5    | 1     | 11   | 10       | 210  | 7    | 227  | 6        | 4    | 13   | 23   | 4        | 200  | 12   | 216  |
| Total Volume | 18       | 12   | 4     | 34   | 42       | 791  | 20   | 853  | 30       | 18   | 43   | 91   | 8        | 810  | 36   | 854  |
| % App. Total | 52.9     | 35.3 | 11.8  |      | 4.9      | 92.7 | 2.3  |      | 33       | 19.8 | 47.3 |      | 0.9      | 94.8 | 4.2  |      |
| PHF          | .750     | .600 | 1.000 | .773 | .875     | .942 | .714 | .939 | .625     | .750 | .827 | .875 | .500     | .983 | .750 | .988 |

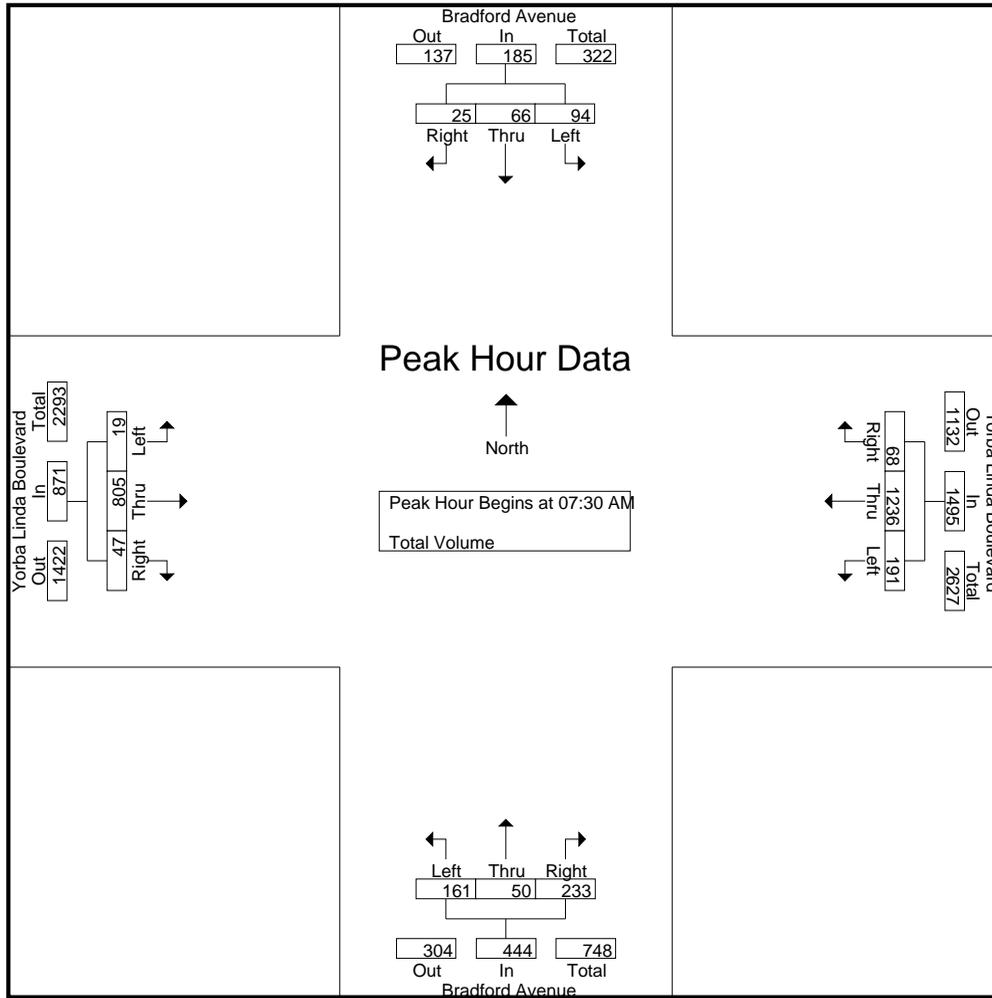
City of Placentia  
 N/S: Bradford Avenue  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 08PLABRYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 07:00 AM    | 15                         | 11   | 2     | 28         | 32                              | 203  | 6     | 241        | 33                         | 10   | 12    | 55         | 4                               | 148  | 8     | 160        | 484        |
| 07:15 AM    | 18                         | 15   | 1     | 34         | 44                              | 249  | 6     | 299        | 33                         | 8    | 35    | 76         | 3                               | 181  | 7     | 191        | 600        |
| 07:30 AM    | 29                         | 23   | 10    | 62         | 64                              | 300  | 14    | 378        | 45                         | 12   | 82    | 139        | 5                               | 250  | 13    | 268        | 847        |
| 07:45 AM    | 33                         | 15   | 7     | 55         | 50                              | 372  | 37    | 459        | 45                         | 21   | 78    | 144        | 3                               | 213  | 10    | 226        | 884        |
| Total       | 95                         | 64   | 20    | 179        | 190                             | 1124 | 63    | 1377       | 156                        | 51   | 207   | 414        | 15                              | 792  | 38    | 845        | 2815       |
| 08:00 AM    | 15                         | 11   | 5     | 31         | 42                              | 292  | 7     | 341        | 48                         | 7    | 41    | 96         | 3                               | 175  | 17    | 195        | 663        |
| 08:15 AM    | 17                         | 17   | 3     | 37         | 35                              | 272  | 10    | 317        | 23                         | 10   | 32    | 65         | 8                               | 167  | 7     | 182        | 601        |
| 08:30 AM    | 14                         | 9    | 5     | 28         | 41                              | 260  | 9     | 310        | 24                         | 7    | 42    | 73         | 5                               | 172  | 11    | 188        | 599        |
| 08:45 AM    | 11                         | 11   | 4     | 26         | 33                              | 245  | 11    | 289        | 39                         | 17   | 39    | 95         | 4                               | 185  | 19    | 208        | 618        |
| Total       | 57                         | 48   | 17    | 122        | 151                             | 1069 | 37    | 1257       | 134                        | 41   | 154   | 329        | 20                              | 699  | 54    | 773        | 2481       |
| Grand Total | 152                        | 112  | 37    | 301        | 341                             | 2193 | 100   | 2634       | 290                        | 92   | 361   | 743        | 35                              | 1491 | 92    | 1618       | 5296       |
| Apprch %    | 50.5                       | 37.2 | 12.3  |            | 12.9                            | 83.3 | 3.8   |            | 39                         | 12.4 | 48.6  |            | 2.2                             | 92.2 | 5.7   |            |            |
| Total %     | 2.9                        | 2.1  | 0.7   | 5.7        | 6.4                             | 41.4 | 1.9   | 49.7       | 5.5                        | 1.7  | 6.8   | 14         | 0.7                             | 28.2 | 1.7   | 30.6       |            |

| Start Time   | Bradford Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| 07:30 AM   | 29                         | 23   | 10    | 62         | 64                              | 300  | 14    | 378        | 45                         | 12   | 82    | 139        | 5                               | 250  | 13    | 268        | 847        |
| 07:45 AM   | 33                         | 15   | 7     | 55         | 50                              | 372  | 37    | 459        | 45                         | 21   | 78    | 144        | 3                               | 213  | 10    | 226        | 884        |
| 08:00 AM   | 15                         | 11   | 5     | 31         | 42                              | 292  | 7     | 341        | 48                         | 7    | 41    | 96         | 3                               | 175  | 17    | 195        | 663        |
| 08:15 AM   | 17                         | 17   | 3     | 37         | 35                              | 272  | 10    | 317        | 23                         | 10   | 32    | 65         | 8                               | 167  | 7     | 182        | 601        |
| Total Volume   | 94                         | 66   | 25    | 185        | 191                             | 1236 | 68    | 1495       | 161                        | 50   | 233   | 444        | 19                              | 805  | 47    | 871        | 2995       |
| % App. Total   | 50.8                       | 35.7 | 13.5  |            | 12.8                            | 82.7 | 4.5   |            | 36.3                       | 11.3 | 52.5  |            | 2.2                             | 92.4 | 5.4   |            |            |
| PHF  | .712                       | .717 | .625  | .746       | .746                            | .831 | .459  | .814       | .839                       | .595 | .710  | .771       | .594                            | .805 | .691  | .813       | .847       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 29       | 23   | 10   | 62   | 64       | 300  | 14   | 378  | 33       | 8    | 35   | 76   | 3        | 181  | 7    | 191  |
| +15 mins.    | 33       | 15   | 7    | 55   | 50       | 372  | 37   | 459  | 45       | 12   | 82   | 139  | 5        | 250  | 13   | 268  |
| +30 mins.    | 15       | 11   | 5    | 31   | 42       | 292  | 7    | 341  | 45       | 21   | 78   | 144  | 3        | 213  | 10   | 226  |
| +45 mins.    | 17       | 17   | 3    | 37   | 35       | 272  | 10   | 317  | 48       | 7    | 41   | 96   | 3        | 175  | 17   | 195  |
| Total Volume | 94       | 66   | 25   | 185  | 191      | 1236 | 68   | 1495 | 171      | 48   | 236  | 455  | 14       | 819  | 47   | 880  |
| % App. Total | 50.8     | 35.7 | 13.5 |      | 12.8     | 82.7 | 4.5  |      | 37.6     | 10.5 | 51.9 |      | 1.6      | 93.1 | 5.3  |      |
| PHF          | .712     | .717 | .625 | .746 | .746     | .831 | .459 | .814 | .891     | .571 | .720 | .790 | .700     | .819 | .691 | .821 |

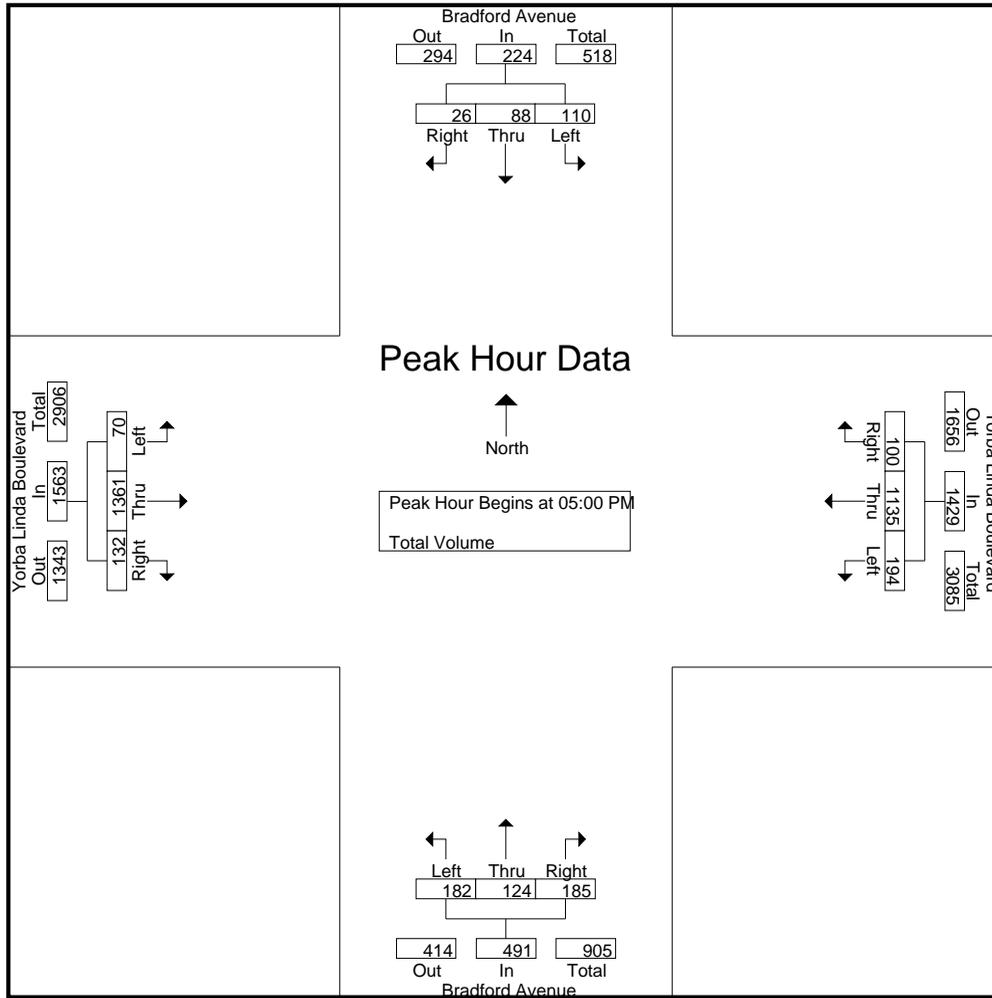
City of Placentia  
 N/S: Bradford Avenue  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 08PLABRYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 04:00 PM    | 15                         | 14   | 6     | 35         | 38                              | 240  | 14    | 292        | 52                         | 27   | 51    | 130        | 16                              | 330  | 27    | 373        | 830        |
| 04:15 PM    | 24                         | 22   | 13    | 59         | 49                              | 258  | 17    | 324        | 37                         | 25   | 53    | 115        | 13                              | 319  | 27    | 359        | 857        |
| 04:30 PM    | 21                         | 24   | 5     | 50         | 50                              | 250  | 20    | 320        | 42                         | 28   | 42    | 112        | 17                              | 275  | 23    | 315        | 797        |
| 04:45 PM    | 21                         | 15   | 6     | 42         | 42                              | 250  | 22    | 314        | 45                         | 29   | 45    | 119        | 16                              | 329  | 23    | 368        | 843        |
| Total       | 81                         | 75   | 30    | 186        | 179                             | 998  | 73    | 1250       | 176                        | 109  | 191   | 476        | 62                              | 1253 | 100   | 1415       | 3327       |
| 05:00 PM    | 22                         | 23   | 2     | 47         | 46                              | 303  | 25    | 374        | 43                         | 23   | 63    | 129        | 17                              | 337  | 32    | 386        | 936        |
| 05:15 PM    | 24                         | 25   | 8     | 57         | 49                              | 320  | 25    | 394        | 50                         | 25   | 45    | 120        | 18                              | 311  | 42    | 371        | 942        |
| 05:30 PM    | 37                         | 23   | 5     | 65         | 49                              | 272  | 25    | 346        | 44                         | 38   | 37    | 119        | 22                              | 371  | 33    | 426        | 956        |
| 05:45 PM    | 27                         | 17   | 11    | 55         | 50                              | 240  | 25    | 315        | 45                         | 38   | 40    | 123        | 13                              | 342  | 25    | 380        | 873        |
| Total       | 110                        | 88   | 26    | 224        | 194                             | 1135 | 100   | 1429       | 182                        | 124  | 185   | 491        | 70                              | 1361 | 132   | 1563       | 3707       |
| Grand Total | 191                        | 163  | 56    | 410        | 373                             | 2133 | 173   | 2679       | 358                        | 233  | 376   | 967        | 132                             | 2614 | 232   | 2978       | 7034       |
| Apprch %    | 46.6                       | 39.8 | 13.7  |            | 13.9                            | 79.6 | 6.5   |            | 37                         | 24.1 | 38.9  |            | 4.4                             | 87.8 | 7.8   |            |            |
| Total %     | 2.7                        | 2.3  | 0.8   | 5.8        | 5.3                             | 30.3 | 2.5   | 38.1       | 5.1                        | 3.3  | 5.3   | 13.7       | 1.9                             | 37.2 | 3.3   | 42.3       |            |

| Start Time   | Bradford Avenue Southbound |           |           |            | Yorba Linda Boulevard Westbound |            |           |            | Bradford Avenue Northbound |           |           |            | Yorba Linda Boulevard Eastbound |            |           |            | Int. Total |
|--|----------------------------|-----------|-----------|------------|---------------------------------|------------|-----------|------------|----------------------------|-----------|-----------|------------|---------------------------------|------------|-----------|------------|------------|
|  | Left                       | Thru      | Right     | App. Total | Left                            | Thru       | Right     | App. Total | Left                       | Thru      | Right     | App. Total | Left                            | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |           |           |            |                                 |            |           |            |                            |           |           |            |                                 |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                            |           |           |            |                                 |            |           |            |                            |           |           |            |                                 |            |           |            |            |
| 05:00 PM   | 22                         | 23        | 2         | 47         | 46                              | 303        | <b>25</b> | 374        | 43                         | 23        | <b>63</b> | 129        | 17                              | 337        | 32        | 386        | 936        |
| 05:15 PM   | 24                         | <b>25</b> | 8         | 57         | 49                              | <b>320</b> | 25        | <b>394</b> | <b>50</b>                  | 25        | 45        | 120        | 18                              | 311        | <b>42</b> | 371        | 942        |
| 05:30 PM   | <b>37</b>                  | 23        | 5         | <b>65</b>  | 49                              | 272        | 25        | 346        | 44                         | <b>38</b> | 37        | 119        | <b>22</b>                       | <b>371</b> | 33        | <b>426</b> | <b>956</b> |
| 05:45 PM   | 27                         | 17        | <b>11</b> | 55         | <b>50</b>                       | 240        | 25        | 315        | 45                         | 38        | 40        | 123        | 13                              | 342        | 25        | 380        | 873        |
| Total Volume   | 110                        | 88        | 26        | 224        | 194                             | 1135       | 100       | 1429       | 182                        | 124       | 185       | 491        | 70                              | 1361       | 132       | 1563       | 3707       |
| % App. Total   | 49.1                       | 39.3      | 11.6      |            | 13.6                            | 79.4       | 7         |            | 37.1                       | 25.3      | 37.7      |            | 4.5                             | 87.1       | 8.4       |            |            |
| PHF  | .743                       | .880      | .591      | .862       | .970                            | .887       | 1.00      | .907       | .910                       | .816      | .734      | .952       | .795                            | .917       | .786      | .917       | .969       |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM |      |      |      | 05:00 PM |      |       |      | 05:00 PM |      |      |      | 05:00 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|-------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 22       | 23   | 2    | 47   | 46       | 303  | 25    | 374  | 43       | 23   | 63   | 129  | 17       | 337  | 32   | 386  |
| +15 mins.    | 24       | 25   | 8    | 57   | 49       | 320  | 25    | 394  | 50       | 25   | 45   | 120  | 18       | 311  | 42   | 371  |
| +30 mins.    | 37       | 23   | 5    | 65   | 49       | 272  | 25    | 346  | 44       | 38   | 37   | 119  | 22       | 371  | 33   | 426  |
| +45 mins.    | 27       | 17   | 11   | 55   | 50       | 240  | 25    | 315  | 45       | 38   | 40   | 123  | 13       | 342  | 25   | 380  |
| Total Volume | 110      | 88   | 26   | 224  | 194      | 1135 | 100   | 1429 | 182      | 124  | 185  | 491  | 70       | 1361 | 132  | 1563 |
| % App. Total | 49.1     | 39.3 | 11.6 |      | 13.6     | 79.4 | 7     |      | 37.1     | 25.3 | 37.7 |      | 4.5      | 87.1 | 8.4  |      |
| PHF          | .743     | .880 | .591 | .862 | .970     | .887 | 1.000 | .907 | .910     | .816 | .734 | .952 | .795     | .917 | .786 | .917 |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 09PLAKRYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

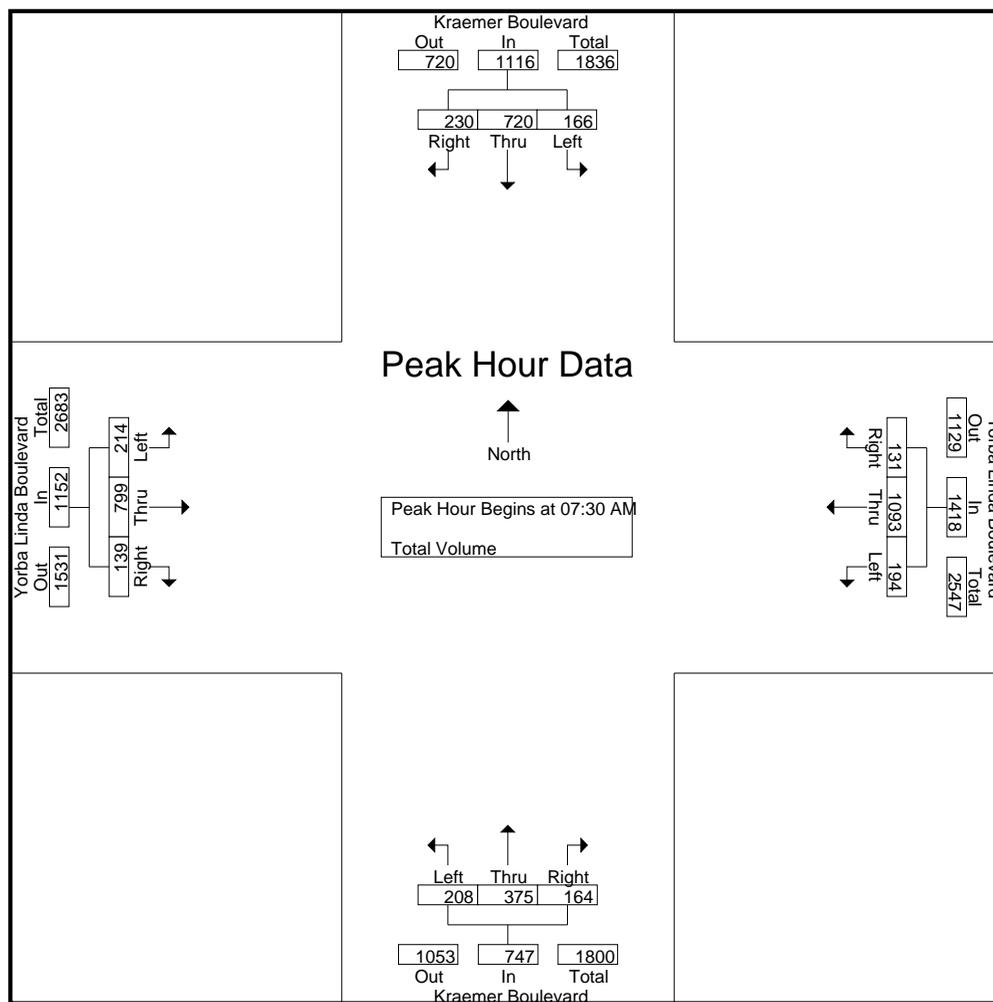
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 07:00 AM    | 20                           | 151  | 38    | 209        | 25                              | 170  | 12    | 207        | 43                           | 43   | 24    | 110        | 22                              | 130  | 30    | 182        | 708        |
| 07:15 AM    | 26                           | 180  | 24    | 230        | 35                              | 239  | 15    | 289        | 37                           | 65   | 32    | 134        | 37                              | 174  | 32    | 243        | 896        |
| 07:30 AM    | 37                           | 242  | 59    | 338        | 47                              | 307  | 34    | 388        | 51                           | 138  | 61    | 250        | 56                              | 249  | 24    | 329        | 1305       |
| 07:45 AM    | 51                           | 185  | 67    | 303        | 53                              | 331  | 49    | 433        | 57                           | 98   | 41    | 196        | 63                              | 241  | 43    | 347        | 1279       |
| Total       | 134                          | 758  | 188   | 1080       | 160                             | 1047 | 110   | 1317       | 188                          | 344  | 158   | 690        | 178                             | 794  | 129   | 1101       | 4188       |
| 08:00 AM    | 39                           | 150  | 50    | 239        | 50                              | 231  | 27    | 308        | 47                           | 64   | 33    | 144        | 49                              | 154  | 45    | 248        | 939        |
| 08:15 AM    | 39                           | 143  | 54    | 236        | 44                              | 224  | 21    | 289        | 53                           | 75   | 29    | 157        | 46                              | 155  | 27    | 228        | 910        |
| 08:30 AM    | 30                           | 161  | 56    | 247        | 35                              | 200  | 29    | 264        | 49                           | 93   | 18    | 160        | 61                              | 136  | 24    | 221        | 892        |
| 08:45 AM    | 37                           | 148  | 58    | 243        | 29                              | 177  | 22    | 228        | 48                           | 89   | 24    | 161        | 52                              | 166  | 23    | 241        | 873        |
| Total       | 145                          | 602  | 218   | 965        | 158                             | 832  | 99    | 1089       | 197                          | 321  | 104   | 622        | 208                             | 611  | 119   | 938        | 3614       |
| Grand Total | 279                          | 1360 | 406   | 2045       | 318                             | 1879 | 209   | 2406       | 385                          | 665  | 262   | 1312       | 386                             | 1405 | 248   | 2039       | 7802       |
| Apprch %    | 13.6                         | 66.5 | 19.9  |            | 13.2                            | 78.1 | 8.7   |            | 29.3                         | 50.7 | 20    |            | 18.9                            | 68.9 | 12.2  |            |            |
| Total %     | 3.6                          | 17.4 | 5.2   | 26.2       | 4.1                             | 24.1 | 2.7   | 30.8       | 4.9                          | 8.5  | 3.4   | 16.8       | 4.9                             | 18   | 3.2   | 26.1       |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Yorba Linda Boulevard Westbound |            |           |            | Kraemer Boulevard Northbound |            |           |            | Yorba Linda Boulevard Eastbound |            |           |            | Int. Total  |
|--|------------------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|------------------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-------------|
|  | Left                         | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total | Left                         | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |            |           |            |                                 |            |           |            |                              |            |           |            |                                 |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |            |           |            |                                 |            |           |            |                              |            |           |            |                                 |            |           |            |             |
| 07:30 AM   | 37                           | <b>242</b> | 59        | <b>338</b> | 47                              | 307        | 34        | 388        | 51                           | <b>138</b> | <b>61</b> | <b>250</b> | 56                              | <b>249</b> | 24        | 329        | <b>1305</b> |
| 07:45 AM   | <b>51</b>                    | 185        | <b>67</b> | 303        | <b>53</b>                       | <b>331</b> | <b>49</b> | <b>433</b> | <b>57</b>                    | 98         | 41        | 196        | <b>63</b>                       | 241        | 43        | <b>347</b> | 1279        |
| 08:00 AM   | 39                           | 150        | 50        | 239        | 50                              | 231        | 27        | 308        | 47                           | 64         | 33        | 144        | 49                              | 154        | <b>45</b> | 248        | 939         |
| 08:15 AM   | 39                           | 143        | 54        | 236        | 44                              | 224        | 21        | 289        | 53                           | 75         | 29        | 157        | 46                              | 155        | 27        | 228        | 910         |
| Total Volume   | 166                          | 720        | 230       | 1116       | 194                             | 1093       | 131       | 1418       | 208                          | 375        | 164       | 747        | 214                             | 799        | 139       | 1152       | 4433        |
| % App. Total   | 14.9                         | 64.5       | 20.6      |            | 13.7                            | 77.1       | 9.2       |            | 27.8                         | 50.2       | 22        |            | 18.6                            | 69.4       | 12.1      |            |             |
| PHF  | .814                         | .744       | .858      | .825       | .915                            | .826       | .668      | .819       | .912                         | .679       | .672      | .747       | .849                            | .802       | .772      | .830       | .849        |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 09PLAKRYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM |      |      |      | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 37       | 242  | 59   | 338  | 35       | 239  | 15   | 289  | 51       | 138  | 61   | 250  | 37       | 174  | 32   | 243  |
| +15 mins.    | 51       | 185  | 67   | 303  | 47       | 307  | 34   | 388  | 57       | 98   | 41   | 196  | 56       | 249  | 24   | 329  |
| +30 mins.    | 39       | 150  | 50   | 239  | 53       | 331  | 49   | 433  | 47       | 64   | 33   | 144  | 63       | 241  | 43   | 347  |
| +45 mins.    | 39       | 143  | 54   | 236  | 50       | 231  | 27   | 308  | 53       | 75   | 29   | 157  | 49       | 154  | 45   | 248  |
| Total Volume | 166      | 720  | 230  | 1116 | 185      | 1108 | 125  | 1418 | 208      | 375  | 164  | 747  | 205      | 818  | 144  | 1167 |
| % App. Total | 14.9     | 64.5 | 20.6 |      | 13       | 78.1 | 8.8  |      | 27.8     | 50.2 | 22   |      | 17.6     | 70.1 | 12.3 |      |
| PHF          | .814     | .744 | .858 | .825 | .873     | .837 | .638 | .819 | .912     | .679 | .672 | .747 | .813     | .821 | .800 | .841 |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 09PLAKRYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

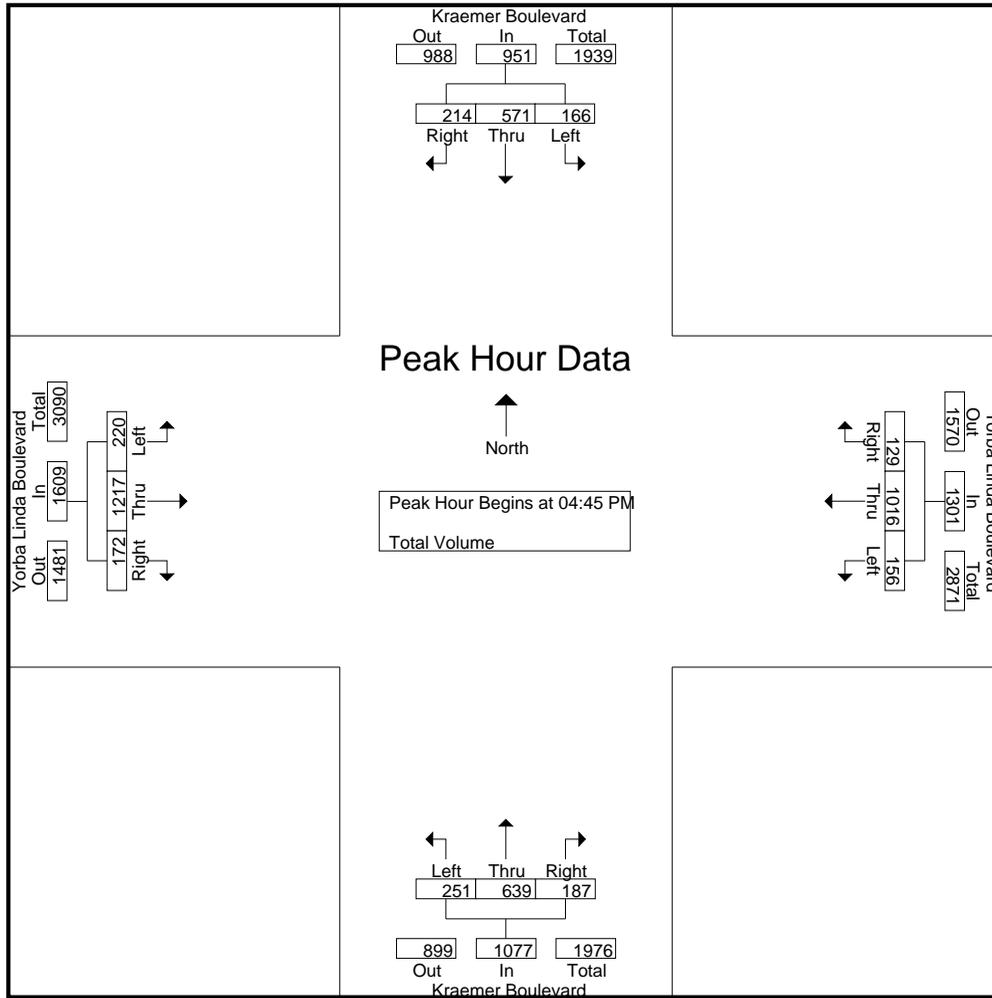
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 04:00 PM    | 44                           | 126  | 55    | 225        | 37                              | 208  | 28    | 273        | 58                           | 131  | 45    | 234        | 48                              | 287  | 39    | 374        | 1106       |
| 04:15 PM    | 42                           | 167  | 47    | 256        | 35                              | 223  | 24    | 282        | 65                           | 161  | 44    | 270        | 52                              | 285  | 43    | 380        | 1188       |
| 04:30 PM    | 45                           | 141  | 52    | 238        | 29                              | 222  | 28    | 279        | 51                           | 126  | 56    | 233        | 54                              | 236  | 42    | 332        | 1082       |
| 04:45 PM    | 48                           | 163  | 46    | 257        | 29                              | 222  | 34    | 285        | 65                           | 149  | 43    | 257        | 53                              | 283  | 43    | 379        | 1178       |
| Total       | 179                          | 597  | 200   | 976        | 130                             | 875  | 114   | 1119       | 239                          | 567  | 188   | 994        | 207                             | 1091 | 167   | 1465       | 4554       |
| 05:00 PM    | 47                           | 150  | 48    | 245        | 38                              | 268  | 37    | 343        | 59                           | 161  | 52    | 272        | 51                              | 317  | 44    | 412        | 1272       |
| 05:15 PM    | 36                           | 132  | 59    | 227        | 47                              | 287  | 31    | 365        | 67                           | 164  | 41    | 272        | 67                              | 279  | 44    | 390        | 1254       |
| 05:30 PM    | 35                           | 126  | 61    | 222        | 42                              | 239  | 27    | 308        | 60                           | 165  | 51    | 276        | 49                              | 338  | 41    | 428        | 1234       |
| 05:45 PM    | 41                           | 144  | 43    | 228        | 19                              | 220  | 30    | 269        | 59                           | 149  | 44    | 252        | 49                              | 312  | 42    | 403        | 1152       |
| Total       | 159                          | 552  | 211   | 922        | 146                             | 1014 | 125   | 1285       | 245                          | 639  | 188   | 1072       | 216                             | 1246 | 171   | 1633       | 4912       |
| Grand Total | 338                          | 1149 | 411   | 1898       | 276                             | 1889 | 239   | 2404       | 484                          | 1206 | 376   | 2066       | 423                             | 2337 | 338   | 3098       | 9466       |
| Apprch %    | 17.8                         | 60.5 | 21.7  |            | 11.5                            | 78.6 | 9.9   |            | 23.4                         | 58.4 | 18.2  |            | 13.7                            | 75.4 | 10.9  |            |            |
| Total %     | 3.6                          | 12.1 | 4.3   | 20.1       | 2.9                             | 20   | 2.5   | 25.4       | 5.1                          | 12.7 | 4     | 21.8       | 4.5                             | 24.7 | 3.6   | 32.7       |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Yorba Linda Boulevard Westbound |            |           |            | Kraemer Boulevard Northbound |            |           |            | Yorba Linda Boulevard Eastbound |            |           |            | Int. Total  |
|--|------------------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|------------------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-------------|
|  | Left                         | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total | Left                         | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |            |           |            |                                 |            |           |            |                              |            |           |            |                                 |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                              |            |           |            |                                 |            |           |            |                              |            |           |            |                                 |            |           |            |             |
| 04:45 PM   | <b>48</b>                    | <b>163</b> | 46        | <b>257</b> | 29                              | 222        | 34        | 285        | 65                           | 149        | 43        | 257        | 53                              | 283        | 43        | 379        | 1178        |
| 05:00 PM   | 47                           | 150        | 48        | 245        | 38                              | 268        | <b>37</b> | <b>343</b> | 59                           | 161        | <b>52</b> | 272        | 51                              | 317        | <b>44</b> | 412        | <b>1272</b> |
| 05:15 PM   | 36                           | 132        | 59        | 227        | <b>47</b>                       | <b>287</b> | 31        | <b>365</b> | <b>67</b>                    | 164        | 41        | 272        | <b>67</b>                       | 279        | 44        | 390        | 1254        |
| 05:30 PM   | 35                           | 126        | <b>61</b> | 222        | 42                              | 239        | 27        | 308        | 60                           | <b>165</b> | 51        | <b>276</b> | 49                              | <b>338</b> | 41        | <b>428</b> | 1234        |
| Total Volume   | 166                          | 571        | 214       | 951        | 156                             | 1016       | 129       | 1301       | 251                          | 639        | 187       | 1077       | 220                             | 1217       | 172       | 1609       | 4938        |
| % App. Total   | 17.5                         | 60         | 22.5      |            | 12                              | 78.1       | 9.9       |            | 23.3                         | 59.3       | 17.4      |            | 13.7                            | 75.6       | 10.7      |            |             |
| PHF  | .865                         | .876       | .877      | .925       | .830                            | .885       | .872      | .891       | .937                         | .968       | .899      | .976       | .821                            | .900       | .977      | .940       | .971        |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 09PLAKRYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM  |            |           |            | 04:45 PM  |            |           |            | 04:45 PM  |            |           |            | 05:00 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 42        | <b>167</b> | 47        | 256        | 29        | 222        | 34        | 285        | 65        | 149        | 43        | 257        | 51        | 317        | <b>44</b> | 412        |
| +15 mins.    | 45        | 141        | <b>52</b> | 238        | 38        | 268        | <b>37</b> | 343        | 59        | 161        | <b>52</b> | 272        | <b>67</b> | 279        | 44        | 390        |
| +30 mins.    | <b>48</b> | 163        | 46        | <b>257</b> | <b>47</b> | <b>287</b> | 31        | <b>365</b> | <b>67</b> | 164        | 41        | 272        | 49        | <b>338</b> | 41        | <b>428</b> |
| +45 mins.    | 47        | 150        | 48        | 245        | 42        | 239        | 27        | 308        | 60        | <b>165</b> | 51        | <b>276</b> | 49        | 312        | 42        | 403        |
| Total Volume | 182       | 621        | 193       | 996        | 156       | 1016       | 129       | 1301       | 251       | 639        | 187       | 1077       | 216       | 1246       | 171       | 1633       |
| % App. Total | 18.3      | 62.3       | 19.4      |            | 12        | 78.1       | 9.9       |            | 23.3      | 59.3       | 17.4      |            | 13.2      | 76.3       | 10.5      |            |
| PHF          | .948      | .930       | .928      | .969       | .830      | .885       | .872      | .891       | .937      | .968       | .899      | .976       | .806      | .922       | .972      | .954       |

City of Placentia  
 N/S: Palm Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 10PLAPAYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

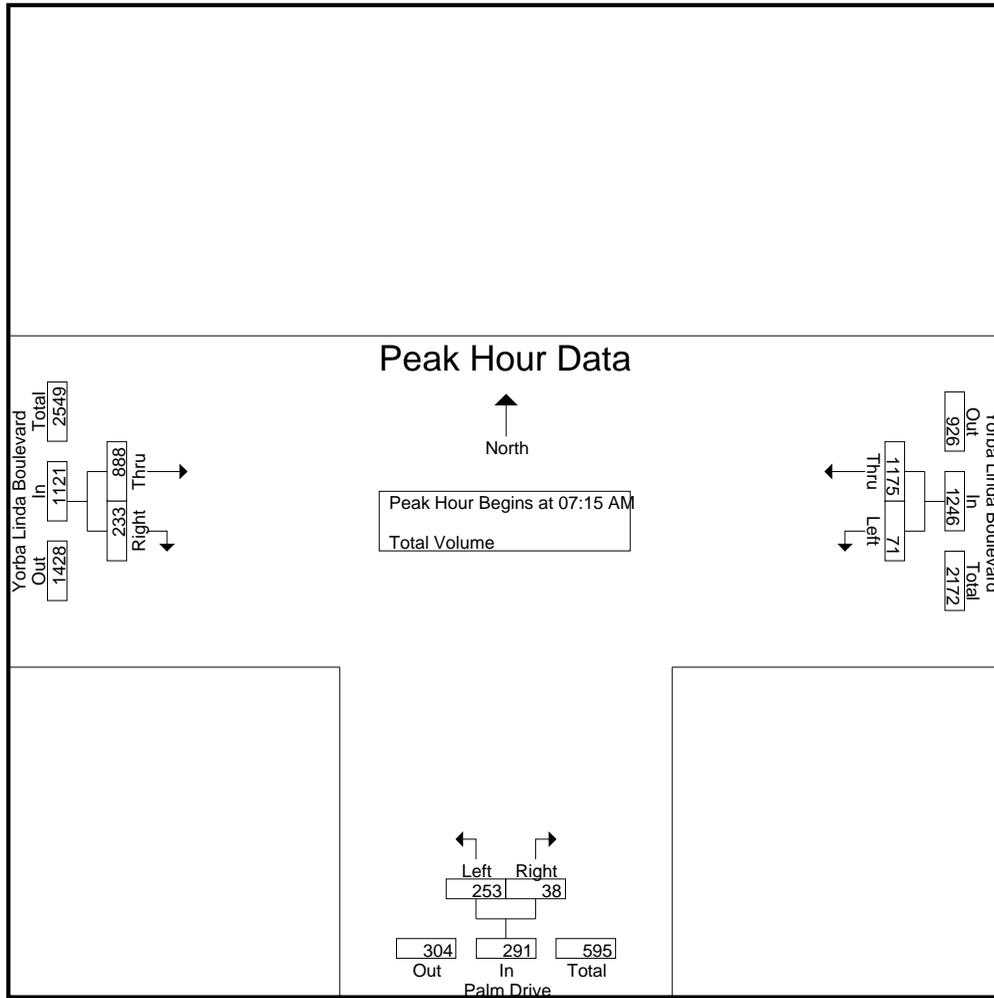
| Start Time  | Yorba Linda Boulevard<br>Westbound |      |            | Palm Drive<br>Northbound |       |            | Yorba Linda Boulevard<br>Eastbound |       |            | Int. Total |
|-------------|------------------------------------|------|------------|--------------------------|-------|------------|------------------------------------|-------|------------|------------|
|             | Left                               | Thru | App. Total | Left                     | Right | App. Total | Thru                               | Right | App. Total |            |
| 07:00 AM    | 8                                  | 167  | 175        | 42                       | 6     | 48         | 141                                | 38    | 179        | 402        |
| 07:15 AM    | 8                                  | 236  | 244        | 56                       | 4     | 60         | 179                                | 46    | 225        | 529        |
| 07:30 AM    | 15                                 | 326  | 341        | 71                       | 10    | 81         | 288                                | 56    | 344        | 766        |
| 07:45 AM    | 29                                 | 384  | 413        | 71                       | 18    | 89         | 250                                | 79    | 329        | 831        |
| Total       | 60                                 | 1113 | 1173       | 240                      | 38    | 278        | 858                                | 219   | 1077       | 2528       |
| 08:00 AM    | 19                                 | 229  | 248        | 55                       | 6     | 61         | 171                                | 52    | 223        | 532        |
| 08:15 AM    | 9                                  | 232  | 241        | 66                       | 3     | 69         | 168                                | 50    | 218        | 528        |
| 08:30 AM    | 9                                  | 207  | 216        | 54                       | 4     | 58         | 133                                | 46    | 179        | 453        |
| 08:45 AM    | 14                                 | 168  | 182        | 61                       | 4     | 65         | 185                                | 51    | 236        | 483        |
| Total       | 51                                 | 836  | 887        | 236                      | 17    | 253        | 657                                | 199   | 856        | 1996       |
| Grand Total | 111                                | 1949 | 2060       | 476                      | 55    | 531        | 1515                               | 418   | 1933       | 4524       |
| Apprch %    | 5.4                                | 94.6 |            | 89.6                     | 10.4  |            | 78.4                               | 21.6  |            |            |
| Total %     | 2.5                                | 43.1 | 45.5       | 10.5                     | 1.2   | 11.7       | 33.5                               | 9.2   | 42.7       |            |

| Start Time   | Yorba Linda Boulevard<br>Westbound |      |            | Palm Drive<br>Northbound |       |            | Yorba Linda Boulevard<br>Eastbound |       |            | Int. Total |
|--------------|------------------------------------|------|------------|--------------------------|-------|------------|------------------------------------|-------|------------|------------|
|              | Left                               | Thru | App. Total | Left                     | Right | App. Total | Thru                               | Right | App. Total |            |
| 07:15 AM     | 8                                  | 236  | 244        | 56                       | 4     | 60         | 179                                | 46    | 225        | 529        |
| 07:30 AM     | 15                                 | 326  | 341        | 71                       | 10    | 81         | 288                                | 56    | 344        | 766        |
| 07:45 AM     | 29                                 | 384  | 413        | 71                       | 18    | 89         | 250                                | 79    | 329        | 831        |
| 08:00 AM     | 19                                 | 229  | 248        | 55                       | 6     | 61         | 171                                | 52    | 223        | 532        |
| Total Volume | 71                                 | 1175 | 1246       | 253                      | 38    | 291        | 888                                | 233   | 1121       | 2658       |
| % App. Total | 5.7                                | 94.3 |            | 86.9                     | 13.1  |            | 79.2                               | 20.8  |            |            |
| PHF          | .612                               | .765 | .754       | .891                     | .528  | .817       | .771                               | .737  | .815       | .800       |

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:15 AM

City of Placentia  
 N/S: Palm Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 10PLAPAYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      | 07:30 AM |      |      | 07:15 AM |      |      |
|--------------|----------|------|------|----------|------|------|----------|------|------|
| +0 mins.     | 8        | 236  | 244  | 71       | 10   | 81   | 179      | 46   | 225  |
| +15 mins.    | 15       | 326  | 341  | 71       | 18   | 89   | 288      | 56   | 344  |
| +30 mins.    | 29       | 384  | 413  | 55       | 6    | 61   | 250      | 79   | 329  |
| +45 mins.    | 19       | 229  | 248  | 66       | 3    | 69   | 171      | 52   | 223  |
| Total Volume | 71       | 1175 | 1246 | 263      | 37   | 300  | 888      | 233  | 1121 |
| % App. Total | 5.7      | 94.3 |      | 87.7     | 12.3 |      | 79.2     | 20.8 |      |
| PHF          | .612     | .765 | .754 | .926     | .514 | .843 | .771     | .737 | .815 |

City of Placentia  
 N/S: Palm Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 10PLAPAYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

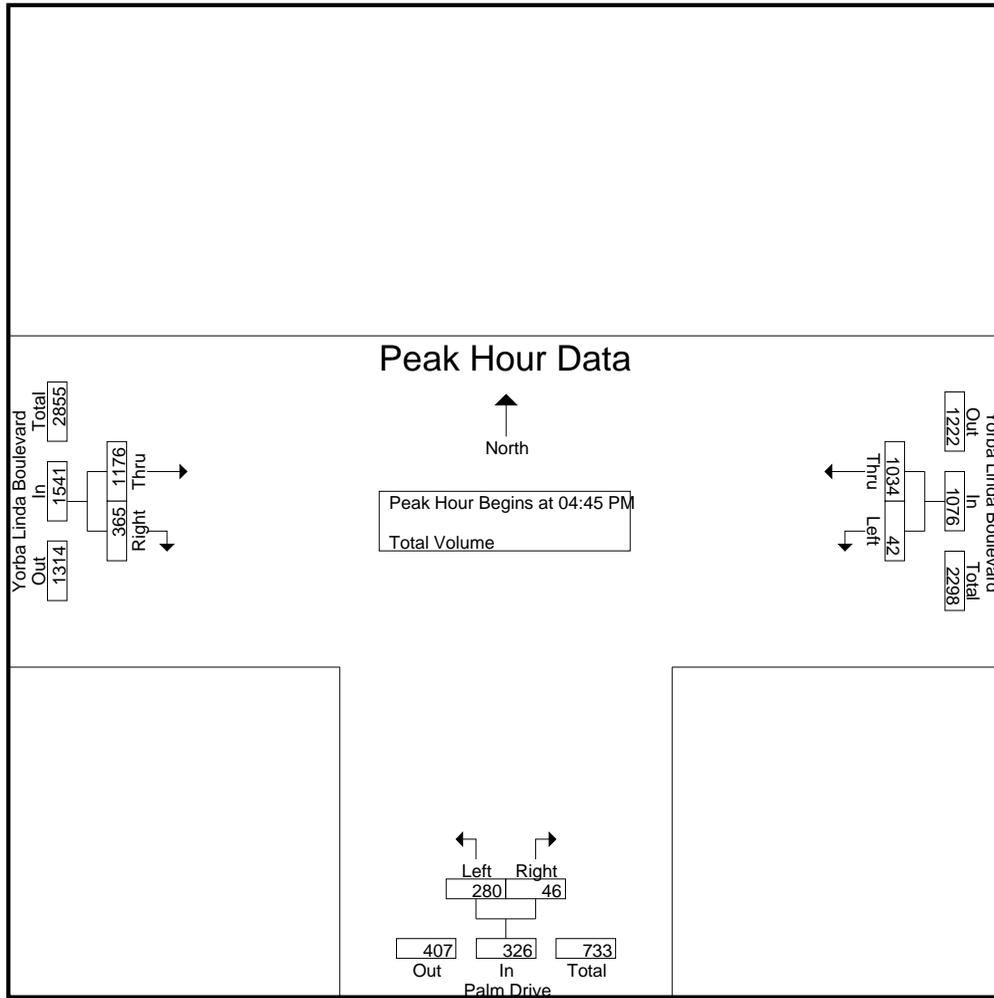
| Start Time  | Yorba Linda Boulevard<br>Westbound |      |            | Palm Drive<br>Northbound |       |            | Yorba Linda Boulevard<br>Eastbound |       |            | Int. Total |
|-------------|------------------------------------|------|------------|--------------------------|-------|------------|------------------------------------|-------|------------|------------|
|             | Left                               | Thru | App. Total | Left                     | Right | App. Total | Thru                               | Right | App. Total |            |
| 04:00 PM    | 11                                 | 206  | 217        | 62                       | 9     | 71         | 280                                | 94    | 374        | 662        |
| 04:15 PM    | 14                                 | 216  | 230        | 65                       | 11    | 76         | 279                                | 86    | 365        | 671        |
| 04:30 PM    | 9                                  | 226  | 235        | 54                       | 10    | 64         | 259                                | 73    | 332        | 631        |
| 04:45 PM    | 12                                 | 224  | 236        | 66                       | 13    | 79         | 271                                | 93    | 364        | 679        |
| Total       | 46                                 | 872  | 918        | 247                      | 43    | 290        | 1089                               | 346   | 1435       | 2643       |
| 05:00 PM    | 9                                  | 288  | 297        | 58                       | 14    | 72         | 313                                | 97    | 410        | 779        |
| 05:15 PM    | 9                                  | 278  | 287        | 86                       | 10    | 96         | 263                                | 88    | 351        | 734        |
| 05:30 PM    | 12                                 | 244  | 256        | 70                       | 9     | 79         | 329                                | 87    | 416        | 751        |
| 05:45 PM    | 7                                  | 203  | 210        | 68                       | 10    | 78         | 301                                | 87    | 388        | 676        |
| Total       | 37                                 | 1013 | 1050       | 282                      | 43    | 325        | 1206                               | 359   | 1565       | 2940       |
| Grand Total | 83                                 | 1885 | 1968       | 529                      | 86    | 615        | 2295                               | 705   | 3000       | 5583       |
| Apprch %    | 4.2                                | 95.8 |            | 86                       | 14    |            | 76.5                               | 23.5  |            |            |
| Total %     | 1.5                                | 33.8 | 35.2       | 9.5                      | 1.5   | 11         | 41.1                               | 12.6  | 53.7       |            |

| Start Time   | Yorba Linda Boulevard<br>Westbound |            |            | Palm Drive<br>Northbound |           |            | Yorba Linda Boulevard<br>Eastbound |           |            | Int. Total |
|--------------|------------------------------------|------------|------------|--------------------------|-----------|------------|------------------------------------|-----------|------------|------------|
|              | Left                               | Thru       | App. Total | Left                     | Right     | App. Total | Thru                               | Right     | App. Total |            |
| 04:45 PM     | <b>12</b>                          | 224        | 236        | 66                       | 13        | 79         | 271                                | 93        | 364        | 679        |
| 05:00 PM     | 9                                  | <b>288</b> | <b>297</b> | 58                       | <b>14</b> | 72         | 313                                | <b>97</b> | 410        | <b>779</b> |
| 05:15 PM     | 9                                  | 278        | 287        | <b>86</b>                | 10        | <b>96</b>  | 263                                | 88        | 351        | 734        |
| 05:30 PM     | 12                                 | 244        | 256        | 70                       | 9         | 79         | <b>329</b>                         | 87        | <b>416</b> | 751        |
| Total Volume | 42                                 | 1034       | 1076       | 280                      | 46        | 326        | 1176                               | 365       | 1541       | 2943       |
| % App. Total | 3.9                                | 96.1       |            | 85.9                     | 14.1      |            | 76.3                               | 23.7      |            |            |
| PHF          | .875                               | .898       | .906       | .814                     | .821      | .849       | .894                               | .941      | .926       | .944       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM

City of Placentia  
 N/S: Palm Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 10PLAPAYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM |      |      | 04:45 PM |      |      | 05:00 PM |      |      |
|--------------|----------|------|------|----------|------|------|----------|------|------|
| +0 mins.     | 12       | 224  | 236  | 66       | 13   | 79   | 313      | 97   | 410  |
| +15 mins.    | 9        | 288  | 297  | 58       | 14   | 72   | 263      | 88   | 351  |
| +30 mins.    | 9        | 278  | 287  | 86       | 10   | 96   | 329      | 87   | 416  |
| +45 mins.    | 12       | 244  | 256  | 70       | 9    | 79   | 301      | 87   | 388  |
| Total Volume | 42       | 1034 | 1076 | 280      | 46   | 326  | 1206     | 359  | 1565 |
| % App. Total | 3.9      | 96.1 |      | 85.9     | 14.1 |      | 77.1     | 22.9 |      |
| PHF          | .875     | .898 | .906 | .814     | .821 | .849 | .916     | .925 | .941 |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 11PLAVAYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

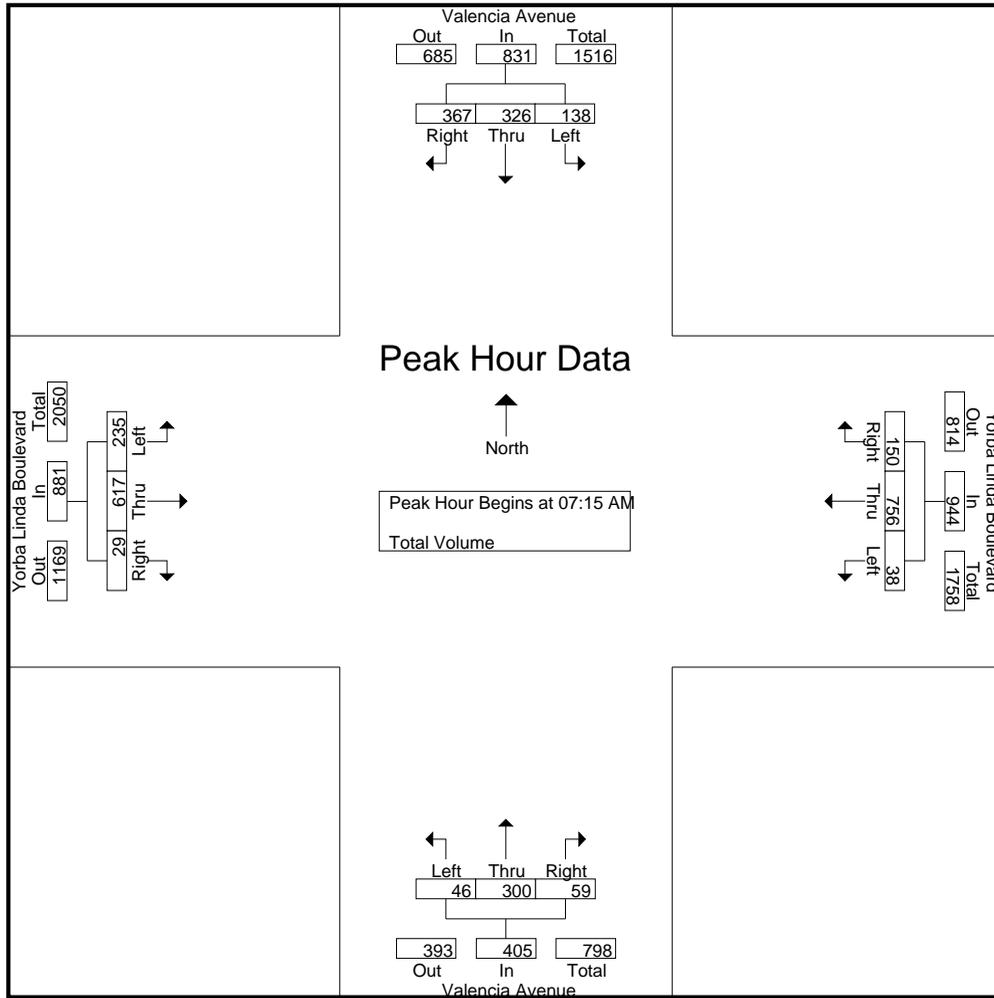
Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 07:00 AM    | 14                         | 41   | 42    | 97         | 3                               | 117  | 22    | 142        | 5                          | 22   | 2     | 29         | 25                              | 101  | 3     | 129        | 397        |
| 07:15 AM    | 24                         | 59   | 52    | 135        | 2                               | 160  | 31    | 193        | 12                         | 54   | 6     | 72         | 51                              | 119  | 7     | 177        | 577        |
| 07:30 AM    | 31                         | 112  | 111   | 254        | 13                              | 206  | 59    | 278        | 20                         | 136  | 12    | 168        | 78                              | 152  | 7     | 237        | 937        |
| 07:45 AM    | 66                         | 111  | 166   | 343        | 16                              | 226  | 38    | 280        | 7                          | 81   | 10    | 98         | 82                              | 188  | 5     | 275        | 996        |
| Total       | 135                        | 323  | 371   | 829        | 34                              | 709  | 150   | 893        | 44                         | 293  | 30    | 367        | 236                             | 560  | 22    | 818        | 2907       |
| 08:00 AM    | 17                         | 44   | 38    | 99         | 7                               | 164  | 22    | 193        | 7                          | 29   | 31    | 67         | 24                              | 158  | 10    | 192        | 551        |
| 08:15 AM    | 15                         | 45   | 35    | 95         | 23                              | 205  | 27    | 255        | 3                          | 29   | 8     | 40         | 11                              | 155  | 3     | 169        | 559        |
| 08:30 AM    | 24                         | 38   | 26    | 88         | 10                              | 162  | 9     | 181        | 7                          | 31   | 9     | 47         | 13                              | 120  | 4     | 137        | 453        |
| 08:45 AM    | 28                         | 43   | 32    | 103        | 4                               | 136  | 16    | 156        | 6                          | 17   | 8     | 31         | 23                              | 155  | 4     | 182        | 472        |
| Total       | 84                         | 170  | 131   | 385        | 44                              | 667  | 74    | 785        | 23                         | 106  | 56    | 185        | 71                              | 588  | 21    | 680        | 2035       |
| Grand Total | 219                        | 493  | 502   | 1214       | 78                              | 1376 | 224   | 1678       | 67                         | 399  | 86    | 552        | 307                             | 1148 | 43    | 1498       | 4942       |
| Apprch %    | 18                         | 40.6 | 41.4  |            | 4.6                             | 82   | 13.3  |            | 12.1                       | 72.3 | 15.6  |            | 20.5                            | 76.6 | 2.9   |            |            |
| Total %     | 4.4                        | 10   | 10.2  | 24.6       | 1.6                             | 27.8 | 4.5   | 34         | 1.4                        | 8.1  | 1.7   | 11.2       | 6.2                             | 23.2 | 0.9   | 30.3       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| 07:15 AM   | 24                         | 59   | 52    | 135        | 2                               | 160  | 31    | 193        | 12                         | 54   | 6     | 72         | 51                              | 119  | 7     | 177        | 577        |
| 07:30 AM   | 31                         | 112  | 111   | 254        | 13                              | 206  | 59    | 278        | 20                         | 136  | 12    | 168        | 78                              | 152  | 7     | 237        | 937        |
| 07:45 AM   | 66                         | 111  | 166   | 343        | 16                              | 226  | 38    | 280        | 7                          | 81   | 10    | 98         | 82                              | 188  | 5     | 275        | 996        |
| 08:00 AM   | 17                         | 44   | 38    | 99         | 7                               | 164  | 22    | 193        | 7                          | 29   | 31    | 67         | 24                              | 158  | 10    | 192        | 551        |
| Total Volume   | 138                        | 326  | 367   | 831        | 38                              | 756  | 150   | 944        | 46                         | 300  | 59    | 405        | 235                             | 617  | 29    | 881        | 3061       |
| % App. Total   | 16.6                       | 39.2 | 44.2  |            | 4                               | 80.1 | 15.9  |            | 11.4                       | 74.1 | 14.6  |            | 26.7                            | 70   | 3.3   |            |            |
| PHF  | .523                       | .728 | .553  | .606       | .594                            | .836 | .636  | .843       | .575                       | .551 | .476  | .603       | .716                            | .820 | .725  | .801       | .768       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 11PLAVAYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |            |            | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            | 07:15 AM  |            |           |            |
|--------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 24        | 59         | 52         | 135        | 13        | 206        | <b>59</b> | 278        | 12        | 54         | 6         | 72         | 51        | 119        | 7         | 177        |
| +15 mins.    | 31        | <b>112</b> | 111        | 254        | 16        | <b>226</b> | 38        | <b>280</b> | <b>20</b> | <b>136</b> | 12        | <b>168</b> | 78        | 152        | 7         | 237        |
| +30 mins.    | <b>66</b> | 111        | <b>166</b> | <b>343</b> | 7         | 164        | 22        | 193        | 7         | 81         | 10        | 98         | <b>82</b> | <b>188</b> | 5         | <b>275</b> |
| +45 mins.    | 17        | 44         | 38         | 99         | <b>23</b> | 205        | 27        | 255        | 7         | 29         | <b>31</b> | 67         | 24        | 158        | <b>10</b> | 192        |
| Total Volume | 138       | 326        | 367        | 831        | 59        | 801        | 146       | 1006       | 46        | 300        | 59        | 405        | 235       | 617        | 29        | 881        |
| % App. Total | 16.6      | 39.2       | 44.2       |            | 5.9       | 79.6       | 14.5      |            | 11.4      | 74.1       | 14.6      |            | 26.7      | 70         | 3.3       |            |
| PHF          | .523      | .728       | .553       | .606       | .641      | .886       | .619      | .898       | .575      | .551       | .476      | .603       | .716      | .820       | .725      | .801       |

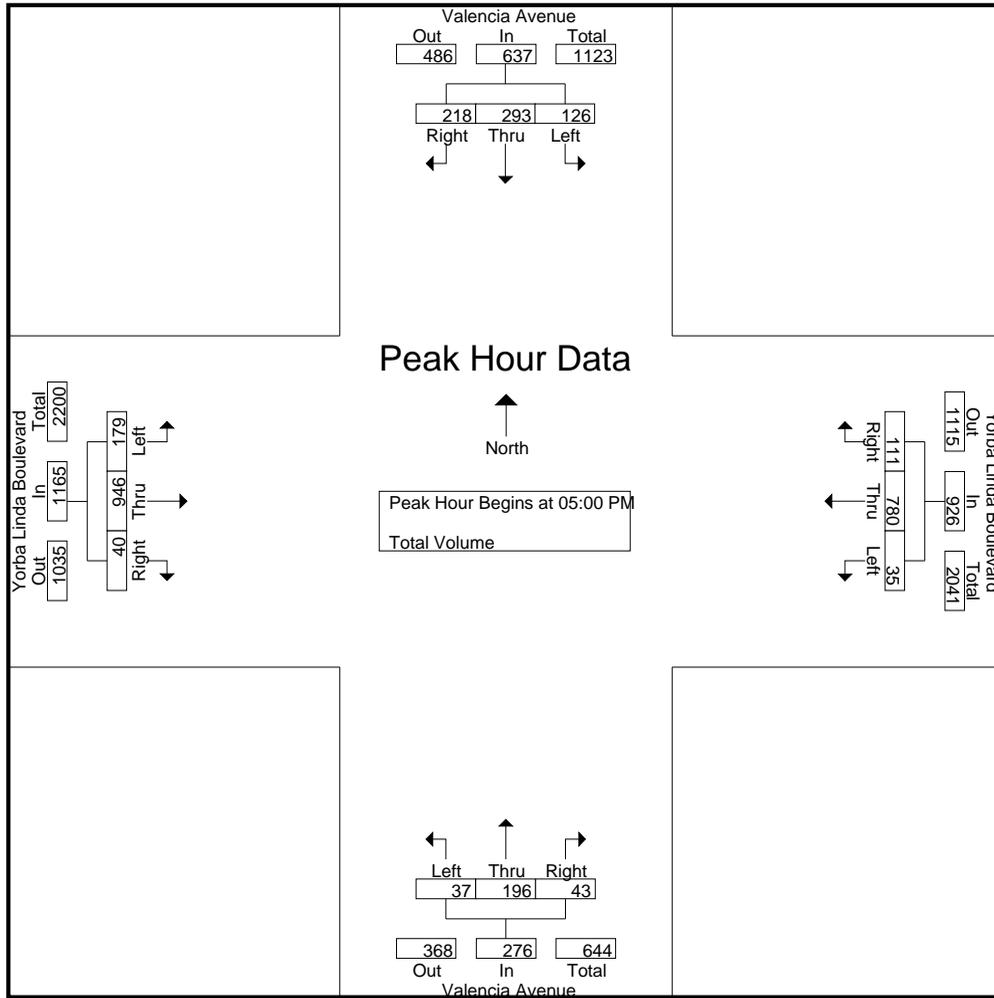
City of Placentia  
 N/S: Valencia Avenue  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 11PLAVAYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 04:00 PM    | 20                         | 51   | 38    | 109        | 8                               | 173  | 25    | 206        | 8                          | 40   | 3     | 51         | 39                              | 205  | 10    | 254        | 620        |
| 04:15 PM    | 23                         | 55   | 22    | 100        | 8                               | 190  | 31    | 229        | 4                          | 39   | 11    | 54         | 39                              | 230  | 5     | 274        | 657        |
| 04:30 PM    | 27                         | 55   | 50    | 132        | 7                               | 180  | 14    | 201        | 9                          | 29   | 14    | 52         | 37                              | 210  | 9     | 256        | 641        |
| 04:45 PM    | 21                         | 52   | 36    | 109        | 10                              | 191  | 29    | 230        | 8                          | 40   | 8     | 56         | 42                              | 219  | 7     | 268        | 663        |
| Total       | 91                         | 213  | 146   | 450        | 33                              | 734  | 99    | 866        | 29                         | 148  | 36    | 213        | 157                             | 864  | 31    | 1052       | 2581       |
| 05:00 PM    | 43                         | 88   | 64    | 195        | 3                               | 232  | 37    | 272        | 6                          | 61   | 10    | 77         | 57                              | 246  | 15    | 318        | 862        |
| 05:15 PM    | 35                         | 99   | 73    | 207        | 9                               | 197  | 24    | 230        | 12                         | 37   | 14    | 63         | 41                              | 210  | 6     | 257        | 757        |
| 05:30 PM    | 27                         | 55   | 41    | 123        | 8                               | 184  | 23    | 215        | 9                          | 51   | 11    | 71         | 42                              | 262  | 7     | 311        | 720        |
| 05:45 PM    | 21                         | 51   | 40    | 112        | 15                              | 167  | 27    | 209        | 10                         | 47   | 8     | 65         | 39                              | 228  | 12    | 279        | 665        |
| Total       | 126                        | 293  | 218   | 637        | 35                              | 780  | 111   | 926        | 37                         | 196  | 43    | 276        | 179                             | 946  | 40    | 1165       | 3004       |
| Grand Total | 217                        | 506  | 364   | 1087       | 68                              | 1514 | 210   | 1792       | 66                         | 344  | 79    | 489        | 336                             | 1810 | 71    | 2217       | 5585       |
| Apprch %    | 20                         | 46.6 | 33.5  |            | 3.8                             | 84.5 | 11.7  |            | 13.5                       | 70.3 | 16.2  |            | 15.2                            | 81.6 | 3.2   |            |            |
| Total %     | 3.9                        | 9.1  | 6.5   | 19.5       | 1.2                             | 27.1 | 3.8   | 32.1       | 1.2                        | 6.2  | 1.4   | 8.8        | 6                               | 32.4 | 1.3   | 39.7       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|----------------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                            |      |       |            |                                 |      |       |            |                            |      |       |            |                                 |      |       |            |            |
| 05:00 PM   | 43                         | 88   | 64    | 195        | 3                               | 232  | 37    | 272        | 6                          | 61   | 10    | 77         | 57                              | 246  | 15    | 318        | 862        |
| 05:15 PM   | 35                         | 99   | 73    | 207        | 9                               | 197  | 24    | 230        | 12                         | 37   | 14    | 63         | 41                              | 210  | 6     | 257        | 757        |
| 05:30 PM   | 27                         | 55   | 41    | 123        | 8                               | 184  | 23    | 215        | 9                          | 51   | 11    | 71         | 42                              | 262  | 7     | 311        | 720        |
| 05:45 PM   | 21                         | 51   | 40    | 112        | 15                              | 167  | 27    | 209        | 10                         | 47   | 8     | 65         | 39                              | 228  | 12    | 279        | 665        |
| Total Volume   | 126                        | 293  | 218   | 637        | 35                              | 780  | 111   | 926        | 37                         | 196  | 43    | 276        | 179                             | 946  | 40    | 1165       | 3004       |
| % App. Total   | 19.8                       | 46   | 34.2  |            | 3.8                             | 84.2 | 12    |            | 13.4                       | 71   | 15.6  |            | 15.4                            | 81.2 | 3.4   |            |            |
| PHF  | .733                       | .740 | .747  | .769       | .583                            | .841 | .750  | .851       | .771                       | .803 | .768  | .896       | .785                            | .903 | .667  | .916       | .871       |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |           |           |            | 04:45 PM  |            |           |            | 05:00 PM  |           |           |           | 05:00 PM  |            |           |            |
|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|
| +0 mins.     | 27        | 55        | 50        | 132        | <b>10</b> | 191        | 29        | 230        | 6         | <b>61</b> | 10        | <b>77</b> | <b>57</b> | 246        | <b>15</b> | <b>318</b> |
| +15 mins.    | 21        | 52        | 36        | 109        | 3         | <b>232</b> | <b>37</b> | <b>272</b> | <b>12</b> | 37        | <b>14</b> | 63        | 41        | 210        | 6         | 257        |
| +30 mins.    | <b>43</b> | 88        | 64        | 195        | 9         | 197        | 24        | 230        | 9         | 51        | 11        | 71        | 42        | <b>262</b> | 7         | 311        |
| +45 mins.    | 35        | <b>99</b> | <b>73</b> | <b>207</b> | 8         | 184        | 23        | 215        | 10        | 47        | 8         | 65        | 39        | 228        | 12        | 279        |
| Total Volume | 126       | 294       | 223       | 643        | 30        | 804        | 113       | 947        | 37        | 196       | 43        | 276       | 179       | 946        | 40        | 1165       |
| % App. Total | 19.6      | 45.7      | 34.7      |            | 3.2       | 84.9       | 11.9      |            | 13.4      | 71        | 15.6      |           | 15.4      | 81.2       | 3.4       |            |
| PHF          | .733      | .742      | .764      | .777       | .750      | .866       | .764      | .870       | .771      | .803      | .768      | .896      | .785      | .903       | .667      | .916       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 12PLAROYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

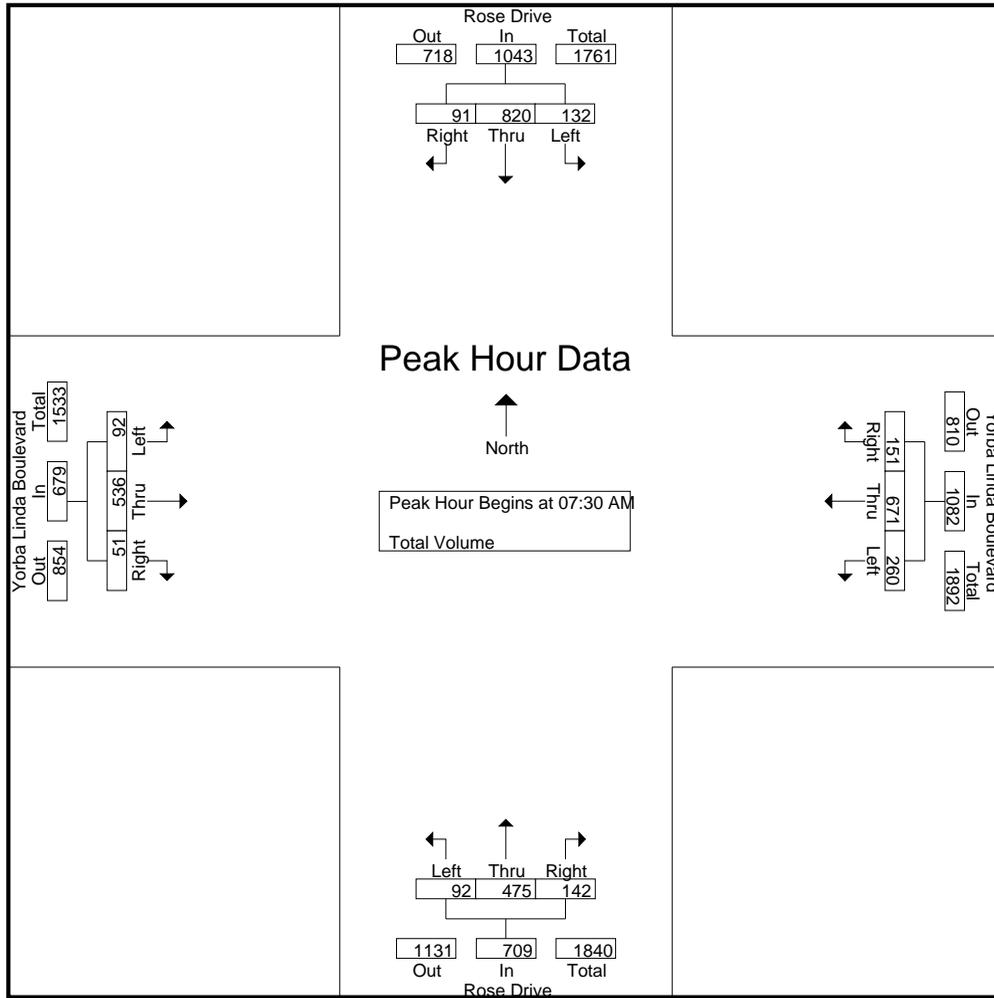
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Rose Drive Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|---------------------------------|------|-------|------------|-----------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 07:00 AM    | 17                    | 166  | 13    | 196        | 51                              | 89   | 17    | 157        | 11                    | 68   | 20    | 99         | 12                              | 93   | 10    | 115        | 567        |
| 07:15 AM    | 19                    | 167  | 19    | 205        | 74                              | 149  | 35    | 258        | 18                    | 82   | 29    | 129        | 12                              | 105  | 12    | 129        | 721        |
| 07:30 AM    | 31                    | 187  | 26    | 244        | 77                              | 220  | 48    | 345        | 24                    | 145  | 31    | 200        | 35                              | 137  | 9     | 181        | 970        |
| 07:45 AM    | 43                    | 226  | 28    | 297        | 60                              | 184  | 38    | 282        | 34                    | 137  | 49    | 220        | 31                              | 167  | 20    | 218        | 1017       |
| Total       | 110                   | 746  | 86    | 942        | 262                             | 642  | 138   | 1042       | 87                    | 432  | 129   | 648        | 90                              | 502  | 51    | 643        | 3275       |
| 08:00 AM    | 24                    | 210  | 18    | 252        | 61                              | 136  | 32    | 229        | 15                    | 91   | 35    | 141        | 12                              | 123  | 13    | 148        | 770        |
| 08:15 AM    | 34                    | 197  | 19    | 250        | 62                              | 131  | 33    | 226        | 19                    | 102  | 27    | 148        | 14                              | 109  | 9     | 132        | 756        |
| 08:30 AM    | 18                    | 159  | 13    | 190        | 61                              | 121  | 36    | 218        | 23                    | 95   | 31    | 149        | 12                              | 111  | 12    | 135        | 692        |
| 08:45 AM    | 31                    | 160  | 23    | 214        | 58                              | 127  | 33    | 218        | 23                    | 107  | 23    | 153        | 15                              | 126  | 20    | 161        | 746        |
| Total       | 107                   | 726  | 73    | 906        | 242                             | 515  | 134   | 891        | 80                    | 395  | 116   | 591        | 53                              | 469  | 54    | 576        | 2964       |
| Grand Total | 217                   | 1472 | 159   | 1848       | 504                             | 1157 | 272   | 1933       | 167                   | 827  | 245   | 1239       | 143                             | 971  | 105   | 1219       | 6239       |
| Apprch %    | 11.7                  | 79.7 | 8.6   |            | 26.1                            | 59.9 | 14.1  |            | 13.5                  | 66.7 | 19.8  |            | 11.7                            | 79.7 | 8.6   |            |            |
| Total %     | 3.5                   | 23.6 | 2.5   | 29.6       | 8.1                             | 18.5 | 4.4   | 31         | 2.7                   | 13.3 | 3.9   | 19.9       | 2.3                             | 15.6 | 1.7   | 19.5       |            |

| Start Time   | Rose Drive Southbound |            |           |            | Yorba Linda Boulevard Westbound |            |           |            | Rose Drive Northbound |            |           |            | Yorba Linda Boulevard Eastbound |            |           |            | Int. Total  |
|--|-----------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-----------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-------------|
|  | Left                  | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total | Left                  | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                       |            |           |            |                                 |            |           |            |                       |            |           |            |                                 |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                       |            |           |            |                                 |            |           |            |                       |            |           |            |                                 |            |           |            |             |
| 07:30 AM   | 31                    | 187        | 26        | 244        | <b>77</b>                       | <b>220</b> | <b>48</b> | <b>345</b> | 24                    | <b>145</b> | 31        | 200        | <b>35</b>                       | 137        | 9         | 181        | 970         |
| 07:45 AM   | <b>43</b>             | <b>226</b> | <b>28</b> | <b>297</b> | 60                              | 184        | 38        | 282        | <b>34</b>             | 137        | <b>49</b> | <b>220</b> | 31                              | <b>167</b> | <b>20</b> | <b>218</b> | <b>1017</b> |
| 08:00 AM   | 24                    | 210        | 18        | 252        | 61                              | 136        | 32        | 229        | 15                    | 91         | 35        | 141        | 12                              | 123        | 13        | 148        | 770         |
| 08:15 AM   | 34                    | 197        | 19        | 250        | 62                              | 131        | 33        | 226        | 19                    | 102        | 27        | 148        | 14                              | 109        | 9         | 132        | 756         |
| Total Volume   | 132                   | 820        | 91        | 1043       | 260                             | 671        | 151       | 1082       | 92                    | 475        | 142       | 709        | 92                              | 536        | 51        | 679        | 3513        |
| % App. Total   | 12.7                  | 78.6       | 8.7       |            | 24                              | 62         | 14        |            | 13                    | 67         | 20        |            | 13.5                            | 78.9       | 7.5       |            |             |
| PHF  | .767                  | .907       | .813      | .878       | .844                            | .763       | .786      | .784       | .676                  | .819       | .724      | .806       | .657                            | .802       | .638      | .779       | .864        |

City of Placentia  
 N/S: Rose Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 12PLAROYLAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            | 07:30 AM  |            |           |            | 07:30 AM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 31        | 187        | 26        | 244        | 74        | 149        | 35        | 258        | 24        | <b>145</b> | 31        | 200        | <b>35</b> | 137        | 9         | 181        |
| +15 mins.    | <b>43</b> | <b>226</b> | <b>28</b> | <b>297</b> | <b>77</b> | <b>220</b> | <b>48</b> | <b>345</b> | <b>34</b> | 137        | <b>49</b> | <b>220</b> | 31        | <b>167</b> | <b>20</b> | <b>218</b> |
| +30 mins.    | 24        | 210        | 18        | 252        | 60        | 184        | 38        | 282        | 15        | 91         | 35        | 141        | 12        | 123        | 13        | 148        |
| +45 mins.    | 34        | 197        | 19        | 250        | 61        | 136        | 32        | 229        | 19        | 102        | 27        | 148        | 14        | 109        | 9         | 132        |
| Total Volume | 132       | 820        | 91        | 1043       | 272       | 689        | 153       | 1114       | 92        | 475        | 142       | 709        | 92        | 536        | 51        | 679        |
| % App. Total | 12.7      | 78.6       | 8.7       |            | 24.4      | 61.8       | 13.7      |            | 13        | 67         | 20        |            | 13.5      | 78.9       | 7.5       |            |
| PHF          | .767      | .907       | .813      | .878       | .883      | .783       | .797      | .807       | .676      | .819       | .724      | .806       | .657      | .802       | .638      | .779       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 12PLAROYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

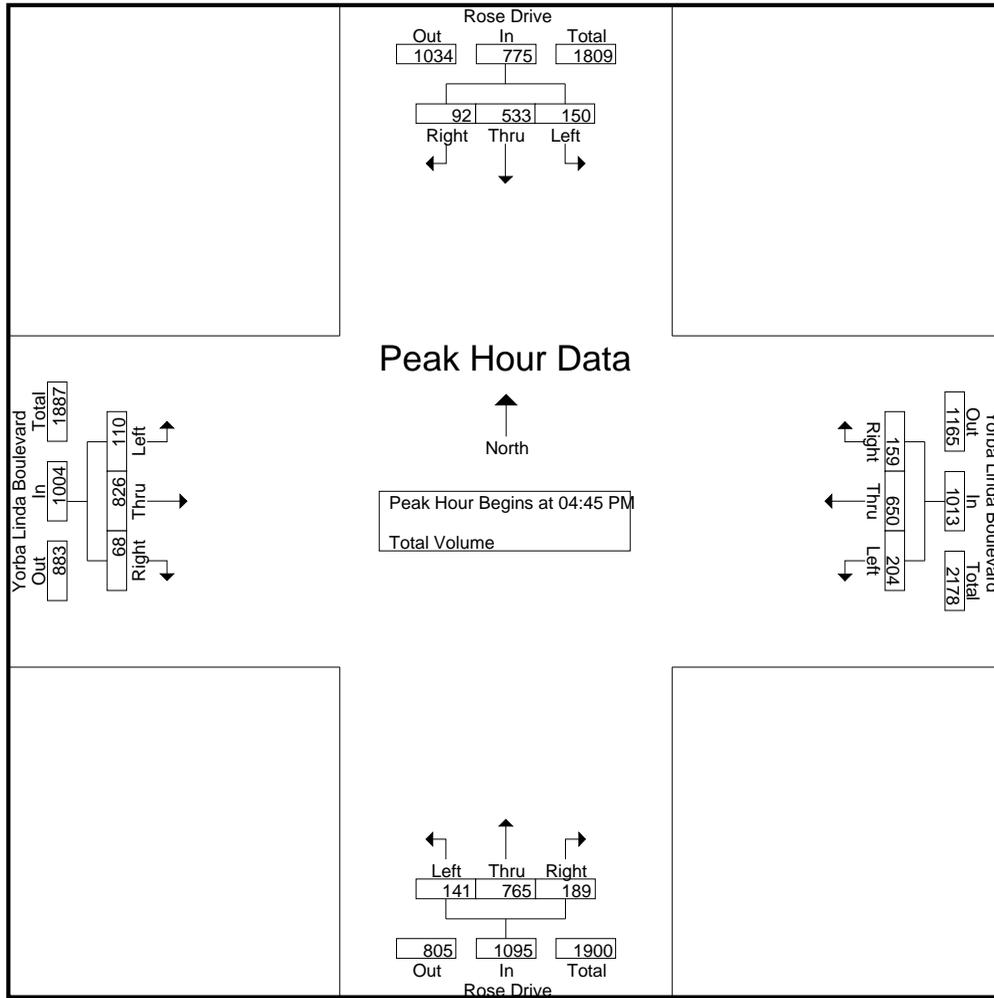
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Yorba Linda Boulevard Westbound |      |       |            | Rose Drive Northbound |      |       |            | Yorba Linda Boulevard Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|---------------------------------|------|-------|------------|-----------------------|------|-------|------------|---------------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                            | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                            | Thru | Right | App. Total |            |
| 04:00 PM    | 32                    | 141  | 24    | 197        | 53                              | 147  | 26    | 226        | 26                    | 140  | 48    | 214        | 23                              | 194  | 16    | 233        | 870        |
| 04:15 PM    | 32                    | 132  | 15    | 179        | 48                              | 154  | 18    | 220        | 22                    | 142  | 51    | 215        | 36                              | 196  | 20    | 252        | 866        |
| 04:30 PM    | 38                    | 126  | 18    | 182        | 47                              | 140  | 34    | 221        | 36                    | 157  | 56    | 249        | 27                              | 173  | 17    | 217        | 869        |
| 04:45 PM    | 44                    | 162  | 27    | 233        | 56                              | 164  | 39    | 259        | 35                    | 180  | 56    | 271        | 25                              | 208  | 9     | 242        | 1005       |
| Total       | 146                   | 561  | 84    | 791        | 204                             | 605  | 117   | 926        | 119                   | 619  | 211   | 949        | 111                             | 771  | 62    | 944        | 3610       |
| 05:00 PM    | 34                    | 129  | 22    | 185        | 46                              | 183  | 37    | 266        | 35                    | 201  | 40    | 276        | 27                              | 223  | 23    | 273        | 1000       |
| 05:15 PM    | 35                    | 118  | 21    | 174        | 52                              | 152  | 41    | 245        | 33                    | 193  | 51    | 277        | 29                              | 196  | 15    | 240        | 936        |
| 05:30 PM    | 37                    | 124  | 22    | 183        | 50                              | 151  | 42    | 243        | 38                    | 191  | 42    | 271        | 29                              | 199  | 21    | 249        | 946        |
| 05:45 PM    | 24                    | 109  | 17    | 150        | 47                              | 134  | 28    | 209        | 26                    | 162  | 36    | 224        | 18                              | 209  | 18    | 245        | 828        |
| Total       | 130                   | 480  | 82    | 692        | 195                             | 620  | 148   | 963        | 132                   | 747  | 169   | 1048       | 103                             | 827  | 77    | 1007       | 3710       |
| Grand Total | 276                   | 1041 | 166   | 1483       | 399                             | 1225 | 265   | 1889       | 251                   | 1366 | 380   | 1997       | 214                             | 1598 | 139   | 1951       | 7320       |
| Apprch %    | 18.6                  | 70.2 | 11.2  |            | 21.1                            | 64.8 | 14    |            | 12.6                  | 68.4 | 19    |            | 11                              | 81.9 | 7.1   |            |            |
| Total %     | 3.8                   | 14.2 | 2.3   | 20.3       | 5.5                             | 16.7 | 3.6   | 25.8       | 3.4                   | 18.7 | 5.2   | 27.3       | 2.9                             | 21.8 | 1.9   | 26.7       |            |

| Start Time   | Rose Drive Southbound |            |           |            | Yorba Linda Boulevard Westbound |            |           |            | Rose Drive Northbound |            |           |            | Yorba Linda Boulevard Eastbound |            |           |            | Int. Total  |
|--|-----------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-----------------------|------------|-----------|------------|---------------------------------|------------|-----------|------------|-------------|
|  | Left                  | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total | Left                  | Thru       | Right     | App. Total | Left                            | Thru       | Right     | App. Total |             |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                       |            |           |            |                                 |            |           |            |                       |            |           |            |                                 |            |           |            |             |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                       |            |           |            |                                 |            |           |            |                       |            |           |            |                                 |            |           |            |             |
| 04:45 PM   | <b>44</b>             | <b>162</b> | <b>27</b> | <b>233</b> | <b>56</b>                       | 164        | 39        | 259        | 35                    | 180        | <b>56</b> | 271        | 25                              | 208        | 9         | 242        | <b>1005</b> |
| 05:00 PM   | 34                    | 129        | 22        | 185        | 46                              | <b>183</b> | 37        | <b>266</b> | 35                    | <b>201</b> | 40        | 276        | 27                              | <b>223</b> | <b>23</b> | <b>273</b> | 1000        |
| 05:15 PM   | 35                    | 118        | 21        | 174        | 52                              | 152        | 41        | 245        | 33                    | 193        | 51        | <b>277</b> | <b>29</b>                       | 196        | 15        | 240        | 936         |
| 05:30 PM   | 37                    | 124        | 22        | 183        | 50                              | 151        | <b>42</b> | 243        | <b>38</b>             | 191        | 42        | 271        | 29                              | 199        | 21        | 249        | 946         |
| Total Volume   | 150                   | 533        | 92        | 775        | 204                             | 650        | 159       | 1013       | 141                   | 765        | 189       | 1095       | 110                             | 826        | 68        | 1004       | 3887        |
| % App. Total   | 19.4                  | 68.8       | 11.9      |            | 20.1                            | 64.2       | 15.7      |            | 12.9                  | 69.9       | 17.3      |            | 11                              | 82.3       | 6.8       |            |             |
| PHF  | .852                  | .823       | .852      | .832       | .911                            | .888       | .946      | .952       | .928                  | .951       | .844      | .988       | .948                            | .926       | .739      | .919       | .967        |

City of Placentia  
 N/S: Rose Drive  
 E/W: Yorba Linda Boulevard  
 Weather: Clear

File Name : 12PLAROYLPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM  |            |           |            | 04:45 PM  |            |           |            | 04:45 PM  |            |           |            | 05:00 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 32        | 141        | 24        | 197        | <b>56</b> | 164        | 39        | 259        | 35        | 180        | <b>56</b> | 271        | 27        | <b>223</b> | <b>23</b> | <b>273</b> |
| +15 mins.    | 32        | 132        | 15        | 179        | 46        | <b>183</b> | 37        | <b>266</b> | 35        | <b>201</b> | 40        | 276        | <b>29</b> | 196        | 15        | 240        |
| +30 mins.    | 38        | 126        | 18        | 182        | 52        | 152        | 41        | 245        | 33        | 193        | 51        | <b>277</b> | 29        | 199        | 21        | 249        |
| +45 mins.    | <b>44</b> | <b>162</b> | <b>27</b> | <b>233</b> | 50        | 151        | <b>42</b> | 243        | <b>38</b> | 191        | 42        | 271        | 18        | 209        | 18        | 245        |
| Total Volume | 146       | 561        | 84        | 791        | 204       | 650        | 159       | 1013       | 141       | 765        | 189       | 1095       | 103       | 827        | 77        | 1007       |
| % App. Total | 18.5      | 70.9       | 10.6      |            | 20.1      | 64.2       | 15.7      |            | 12.9      | 69.9       | 17.3      |            | 10.2      | 82.1       | 7.6       |            |
| PHF          | .830      | .866       | .778      | .849       | .911      | .888       | .946      | .952       | .928      | .951       | .844      | .988       | .888      | .927       | .837      | .922       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Sheffield Street / Morse Avenue  
 Weather: Clear

File Name : 13PLAKRMOAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

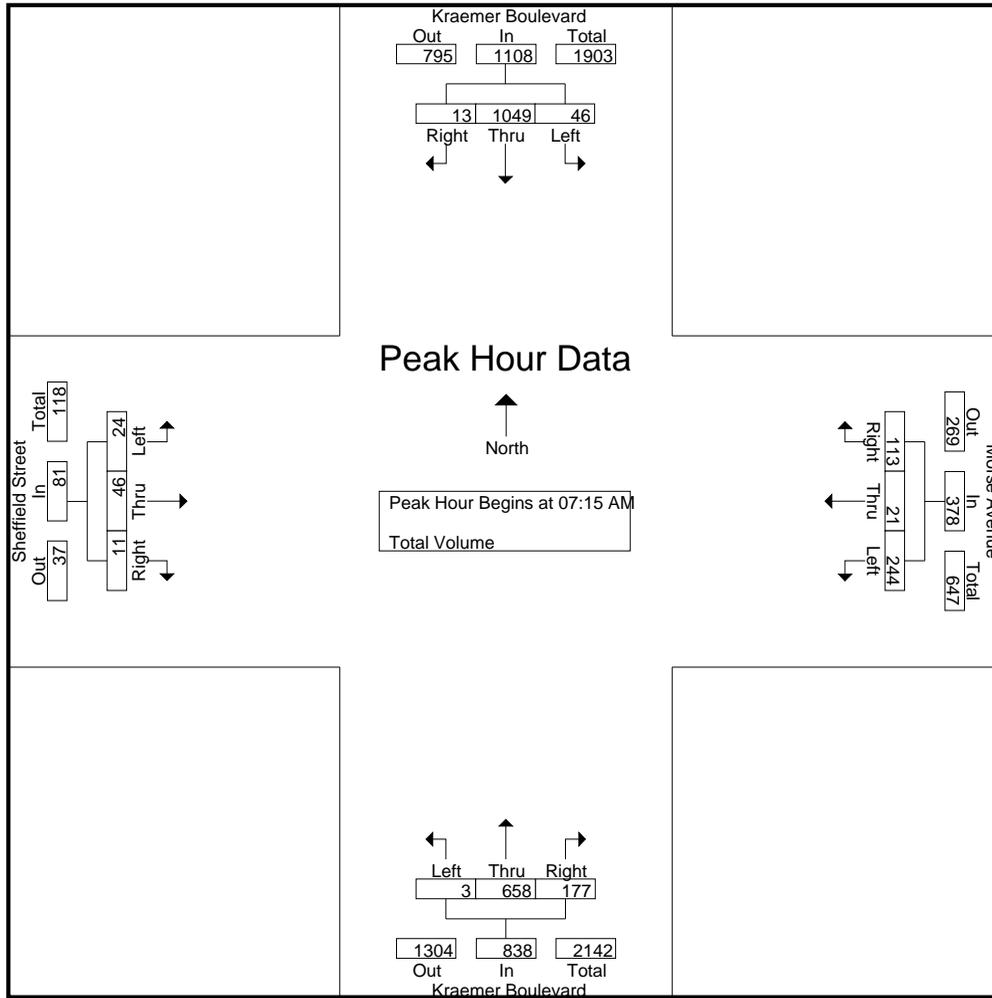
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Morse Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Sheffield Street Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                   | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 07:00 AM    | 5                            | 204  | 0     | 209        | 28                     | 0    | 24    | 52         | 0                            | 102  | 11    | 113        | 7                          | 4    | 3     | 14         | 388        |
| 07:15 AM    | 8                            | 233  | 2     | 243        | 51                     | 3    | 20    | 74         | 0                            | 122  | 29    | 151        | 7                          | 9    | 0     | 16         | 484        |
| 07:30 AM    | 18                           | 282  | 5     | 305        | 75                     | 8    | 30    | 113        | 1                            | 227  | 79    | 307        | 8                          | 21   | 8     | 37         | 762        |
| 07:45 AM    | 11                           | 287  | 4     | 302        | 81                     | 8    | 44    | 133        | 1                            | 173  | 43    | 217        | 4                          | 11   | 3     | 18         | 670        |
| Total       | 42                           | 1006 | 11    | 1059       | 235                    | 19   | 118   | 372        | 2                            | 624  | 162   | 788        | 26                         | 45   | 14    | 85         | 2304       |
| 08:00 AM    | 9                            | 247  | 2     | 258        | 37                     | 2    | 19    | 58         | 1                            | 136  | 26    | 163        | 5                          | 5    | 0     | 10         | 489        |
| 08:15 AM    | 10                           | 216  | 0     | 226        | 40                     | 1    | 17    | 58         | 0                            | 146  | 10    | 156        | 5                          | 3    | 5     | 13         | 453        |
| 08:30 AM    | 19                           | 202  | 1     | 222        | 19                     | 1    | 25    | 45         | 0                            | 147  | 17    | 164        | 1                          | 2    | 3     | 6          | 437        |
| 08:45 AM    | 16                           | 184  | 1     | 201        | 11                     | 2    | 25    | 38         | 1                            | 164  | 14    | 179        | 0                          | 1    | 1     | 2          | 420        |
| Total       | 54                           | 849  | 4     | 907        | 107                    | 6    | 86    | 199        | 2                            | 593  | 67    | 662        | 11                         | 11   | 9     | 31         | 1799       |
| Grand Total | 96                           | 1855 | 15    | 1966       | 342                    | 25   | 204   | 571        | 4                            | 1217 | 229   | 1450       | 37                         | 56   | 23    | 116        | 4103       |
| Apprch %    | 4.9                          | 94.4 | 0.8   |            | 59.9                   | 4.4  | 35.7  |            | 0.3                          | 83.9 | 15.8  |            | 31.9                       | 48.3 | 19.8  |            |            |
| Total %     | 2.3                          | 45.2 | 0.4   | 47.9       | 8.3                    | 0.6  | 5     | 13.9       | 0.1                          | 29.7 | 5.6   | 35.3       | 0.9                        | 1.4  | 0.6   | 2.8        |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Morse Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Sheffield Street Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                   | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                        |      |       |            |                              |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                              |      |       |            |                        |      |       |            |                              |      |       |            |                            |      |       |            |            |
| 07:15 AM   | 8                            | 233  | 2     | 243        | 51                     | 3    | 20    | 74         | 0                            | 122  | 29    | 151        | 7                          | 9    | 0     | 16         | 484        |
| 07:30 AM   | 18                           | 282  | 5     | 305        | 75                     | 8    | 30    | 113        | 1                            | 227  | 79    | 307        | 8                          | 21   | 8     | 37         | 762        |
| 07:45 AM   | 11                           | 287  | 4     | 302        | 81                     | 8    | 44    | 133        | 1                            | 173  | 43    | 217        | 4                          | 11   | 3     | 18         | 670        |
| 08:00 AM   | 9                            | 247  | 2     | 258        | 37                     | 2    | 19    | 58         | 1                            | 136  | 26    | 163        | 5                          | 5    | 0     | 10         | 489        |
| Total Volume   | 46                           | 1049 | 13    | 1108       | 244                    | 21   | 113   | 378        | 3                            | 658  | 177   | 838        | 24                         | 46   | 11    | 81         | 2405       |
| % App. Total   | 4.2                          | 94.7 | 1.2   |            | 64.6                   | 5.6  | 29.9  |            | 0.4                          | 78.5 | 21.1  |            | 29.6                       | 56.8 | 13.6  |            |            |
| PHF  | .639                         | .914 | .650  | .908       | .753                   | .656 | .642  | .711       | .750                         | .725 | .560  | .682       | .750                       | .548 | .344  | .547       | .789       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Sheffield Street / Morse Avenue  
 Weather: Clear

File Name : 13PLAKRMOAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |          |            | 07:30 AM  |          |           |            | 07:00 AM |            |           |            |          |           |          |           |
|--------------|-----------|------------|----------|------------|-----------|----------|-----------|------------|----------|------------|-----------|------------|----------|-----------|----------|-----------|
| +0 mins.     | 8         | 233        | 2        | 243        | 51        | 3        | 20        | 74         | 1        | <b>227</b> | <b>79</b> | <b>307</b> | 7        | 4         | 3        | 14        |
| +15 mins.    | <b>18</b> | 282        | <b>5</b> | <b>305</b> | 75        | <b>8</b> | 30        | 113        | 1        | 173        | 43        | 217        | 7        | 9         | 0        | 16        |
| +30 mins.    | 11        | <b>287</b> | 4        | 302        | <b>81</b> | 8        | <b>44</b> | <b>133</b> | 1        | 136        | 26        | 163        | <b>8</b> | <b>21</b> | <b>8</b> | <b>37</b> |
| +45 mins.    | 9         | 247        | 2        | 258        | 37        | 2        | 19        | 58         | 0        | 146        | 10        | 156        | 4        | 11        | 3        | 18        |
| Total Volume | 46        | 1049       | 13       | 1108       | 244       | 21       | 113       | 378        | 3        | 682        | 158       | 843        | 26       | 45        | 14       | 85        |
| % App. Total | 4.2       | 94.7       | 1.2      |            | 64.6      | 5.6      | 29.9      |            | 0.4      | 80.9       | 18.7      |            | 30.6     | 52.9      | 16.5     |           |
| PHF          | .639      | .914       | .650     | .908       | .753      | .656     | .642      | .711       | .750     | .751       | .500      | .686       | .813     | .536      | .438     | .574      |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Sheffield Street / Morse Avenue  
 Weather: Clear

File Name : 13PLAKRMOPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

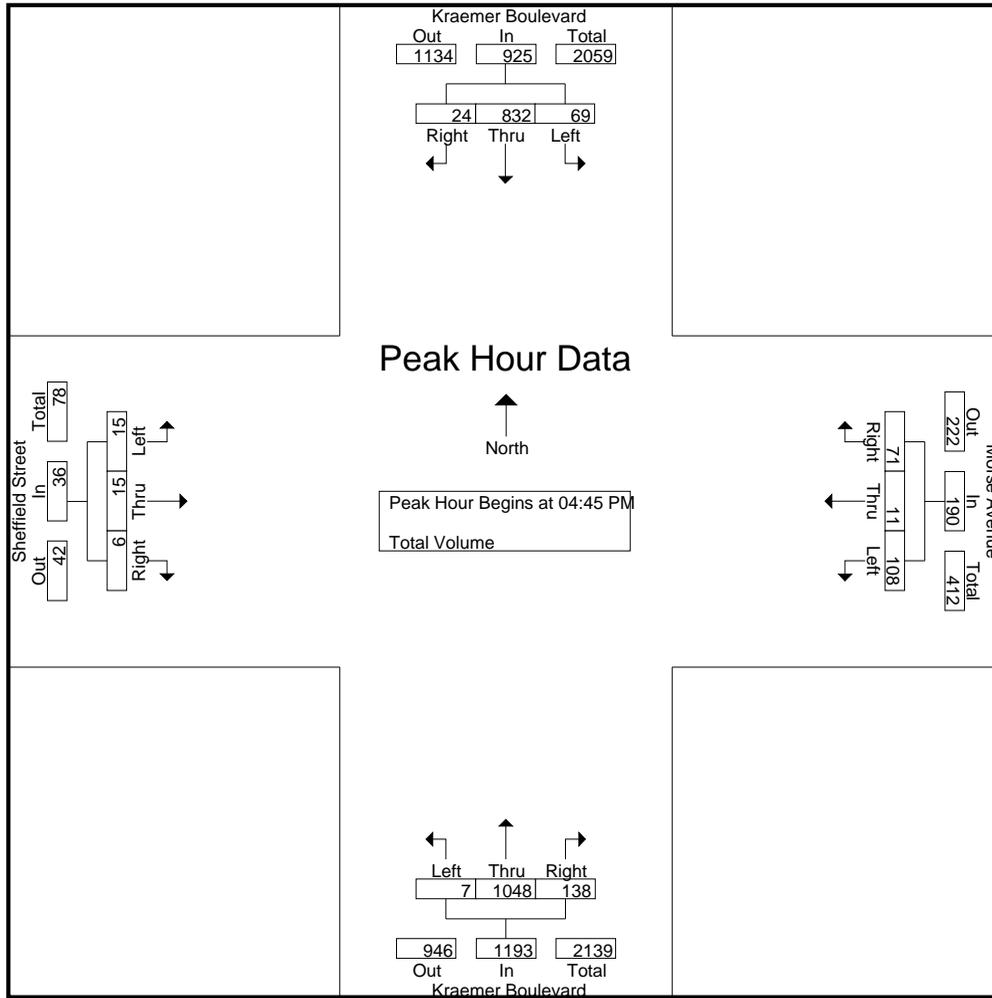
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Morse Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Sheffield Street Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                   | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| 04:00 PM    | 18                           | 180  | 3     | 201        | 27                     | 2    | 27    | 56         | 4                            | 235  | 29    | 268        | 2                          | 2    | 4     | 8          | 533        |
| 04:15 PM    | 31                           | 205  | 5     | 241        | 18                     | 3    | 25    | 46         | 0                            | 248  | 24    | 272        | 3                          | 3    | 4     | 10         | 569        |
| 04:30 PM    | 22                           | 177  | 5     | 204        | 27                     | 3    | 18    | 48         | 4                            | 221  | 25    | 250        | 4                          | 2    | 2     | 8          | 510        |
| 04:45 PM    | 14                           | 206  | 7     | 227        | 22                     | 2    | 24    | 48         | 1                            | 253  | 31    | 285        | 1                          | 5    | 4     | 10         | 570        |
| Total       | 85                           | 768  | 20    | 873        | 94                     | 10   | 94    | 198        | 9                            | 957  | 109   | 1075       | 10                         | 12   | 14    | 36         | 2182       |
| 05:00 PM    | 15                           | 208  | 9     | 232        | 24                     | 2    | 18    | 44         | 2                            | 260  | 40    | 302        | 6                          | 2    | 0     | 8          | 586        |
| 05:15 PM    | 18                           | 209  | 3     | 230        | 30                     | 2    | 17    | 49         | 1                            | 265  | 29    | 295        | 4                          | 4    | 2     | 10         | 584        |
| 05:30 PM    | 22                           | 209  | 5     | 236        | 32                     | 5    | 12    | 49         | 3                            | 270  | 38    | 311        | 4                          | 4    | 0     | 8          | 604        |
| 05:45 PM    | 16                           | 189  | 4     | 209        | 22                     | 5    | 18    | 45         | 0                            | 242  | 25    | 267        | 4                          | 1    | 3     | 8          | 529        |
| Total       | 71                           | 815  | 21    | 907        | 108                    | 14   | 65    | 187        | 6                            | 1037 | 132   | 1175       | 18                         | 11   | 5     | 34         | 2303       |
| Grand Total | 156                          | 1583 | 41    | 1780       | 202                    | 24   | 159   | 385        | 15                           | 1994 | 241   | 2250       | 28                         | 23   | 19    | 70         | 4485       |
| Apprch %    | 8.8                          | 88.9 | 2.3   |            | 52.5                   | 6.2  | 41.3  |            | 0.7                          | 88.6 | 10.7  |            | 40                         | 32.9 | 27.1  |            |            |
| Total %     | 3.5                          | 35.3 | 0.9   | 39.7       | 4.5                    | 0.5  | 3.5   | 8.6        | 0.3                          | 44.5 | 5.4   | 50.2       | 0.6                        | 0.5  | 0.4   | 1.6        |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Morse Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Sheffield Street Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|------------------------|------|-------|------------|------------------------------|------|-------|------------|----------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                   | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                       | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |      |       |            |                        |      |       |            |                              |      |       |            |                            |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                              |      |       |            |                        |      |       |            |                              |      |       |            |                            |      |       |            |            |
| 04:45 PM   | 14                           | 206  | 7     | 227        | 22                     | 2    | 24    | 48         | 1                            | 253  | 31    | 285        | 1                          | 5    | 4     | 10         | 570        |
| 05:00 PM   | 15                           | 208  | 9     | 232        | 24                     | 2    | 18    | 44         | 2                            | 260  | 40    | 302        | 6                          | 2    | 0     | 8          | 586        |
| 05:15 PM   | 18                           | 209  | 3     | 230        | 30                     | 2    | 17    | 49         | 1                            | 265  | 29    | 295        | 4                          | 4    | 2     | 10         | 584        |
| 05:30 PM   | 22                           | 209  | 5     | 236        | 32                     | 5    | 12    | 49         | 3                            | 270  | 38    | 311        | 4                          | 4    | 0     | 8          | 604        |
| Total Volume   | 69                           | 832  | 24    | 925        | 108                    | 11   | 71    | 190        | 7                            | 1048 | 138   | 1193       | 15                         | 15   | 6     | 36         | 2344       |
| % App. Total   | 7.5                          | 89.9 | 2.6   |            | 56.8                   | 5.8  | 37.4  |            | 0.6                          | 87.8 | 11.6  |            | 41.7                       | 41.7 | 16.7  |            |            |
| PHF  | .784                         | .995 | .667  | .980       | .844                   | .550 | .740  | .969       | .583                         | .970 | .863  | .959       | .625                       | .750 | .375  | .900       | .970       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Sheffield Street / Morse Avenue  
 Weather: Clear

File Name : 13PLAKRMOPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM  |            |          |            | 04:00 PM  |          |           |           | 04:45 PM |            |           |            | 04:00 PM |          |          |           |
|--------------|-----------|------------|----------|------------|-----------|----------|-----------|-----------|----------|------------|-----------|------------|----------|----------|----------|-----------|
| +0 mins.     | 14        | 206        | 7        | 227        | <b>27</b> | 2        | <b>27</b> | <b>56</b> | 1        | 253        | 31        | 285        | 2        | 2        | <b>4</b> | 8         |
| +15 mins.    | 15        | 208        | <b>9</b> | 232        | 18        | <b>3</b> | 25        | 46        | 2        | 260        | <b>40</b> | 302        | 3        | 3        | 4        | <b>10</b> |
| +30 mins.    | 18        | <b>209</b> | 3        | 230        | 27        | 3        | 18        | 48        | 1        | 265        | 29        | 295        | <b>4</b> | 2        | 2        | 8         |
| +45 mins.    | <b>22</b> | 209        | 5        | <b>236</b> | 22        | 2        | 24        | 48        | <b>3</b> | <b>270</b> | 38        | <b>311</b> | 1        | <b>5</b> | 4        | 10        |
| Total Volume | 69        | 832        | 24       | 925        | 94        | 10       | 94        | 198       | 7        | 1048       | 138       | 1193       | 10       | 12       | 14       | 36        |
| % App. Total | 7.5       | 89.9       | 2.6      |            | 47.5      | 5.1      | 47.5      |           | 0.6      | 87.8       | 11.6      |            | 27.8     | 33.3     | 38.9     |           |
| PHF          | .784      | .995       | .667     | .980       | .870      | .833     | .870      | .884      | .583     | .970       | .863      | .959       | .625     | .600     | .875     | .900      |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Palm Drive  
 Weather: Clear

File Name : PLAVAPAAM  
 Site Code : 22117718  
 Start Date : 12/12/2017  
 Page No : 1

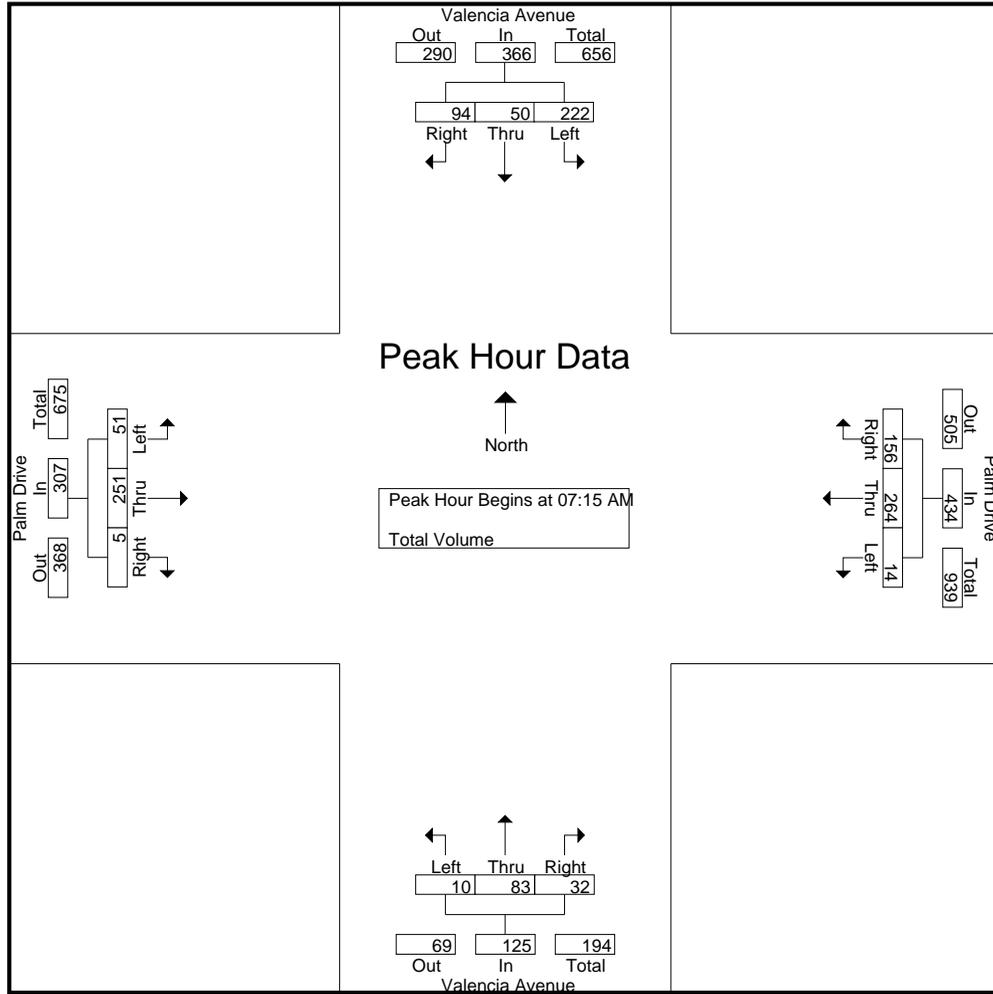
Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Palm Drive Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| 07:00 AM    | 48                         | 4    | 15    | 67         | 7                    | 49   | 17    | 73         | 3                          | 8    | 4     | 15         | 3                    | 45   | 0     | 48         | 203        |
| 07:15 AM    | 51                         | 11   | 20    | 82         | 3                    | 72   | 34    | 109        | 3                          | 20   | 7     | 30         | 10                   | 41   | 0     | 51         | 272        |
| 07:30 AM    | 57                         | 15   | 27    | 99         | 5                    | 75   | 61    | 141        | 4                          | 28   | 10    | 42         | 16                   | 53   | 2     | 71         | 353        |
| 07:45 AM    | 83                         | 17   | 31    | 131        | 0                    | 57   | 37    | 94         | 1                          | 19   | 6     | 26         | 17                   | 102  | 2     | 121        | 372        |
| Total       | 239                        | 47   | 93    | 379        | 15                   | 253  | 149   | 417        | 11                         | 75   | 27    | 113        | 46                   | 241  | 4     | 291        | 1200       |
| 08:00 AM    | 31                         | 7    | 16    | 54         | 6                    | 60   | 24    | 90         | 2                          | 16   | 9     | 27         | 8                    | 55   | 1     | 64         | 235        |
| 08:15 AM    | 37                         | 3    | 17    | 57         | 0                    | 67   | 11    | 78         | 4                          | 3    | 2     | 9          | 9                    | 52   | 0     | 61         | 205        |
| 08:30 AM    | 44                         | 7    | 5     | 56         | 2                    | 68   | 17    | 87         | 2                          | 6    | 4     | 12         | 6                    | 46   | 0     | 52         | 207        |
| 08:45 AM    | 36                         | 3    | 6     | 45         | 1                    | 63   | 20    | 84         | 4                          | 6    | 2     | 12         | 8                    | 40   | 4     | 52         | 193        |
| Total       | 148                        | 20   | 44    | 212        | 9                    | 258  | 72    | 339        | 12                         | 31   | 17    | 60         | 31                   | 193  | 5     | 229        | 840        |
| Grand Total | 387                        | 67   | 137   | 591        | 24                   | 511  | 221   | 756        | 23                         | 106  | 44    | 173        | 77                   | 434  | 9     | 520        | 2040       |
| Apprch %    | 65.5                       | 11.3 | 23.2  |            | 3.2                  | 67.6 | 29.2  |            | 13.3                       | 61.3 | 25.4  |            | 14.8                 | 83.5 | 1.7   |            |            |
| Total %     | 19                         | 3.3  | 6.7   | 29         | 1.2                  | 25   | 10.8  | 37.1       | 1.1                        | 5.2  | 2.2   | 8.5        | 3.8                  | 21.3 | 0.4   | 25.5       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Palm Drive Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|----------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                      |      |       |            |                            |      |       |            |                      |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                      |      |       |            |                            |      |       |            |                      |      |       |            |            |
| 07:15 AM   | 51                         | 11   | 20    | 82         | 3                    | 72   | 34    | 109        | 3                          | 20   | 7     | 30         | 10                   | 41   | 0     | 51         | 272        |
| 07:30 AM   | 57                         | 15   | 27    | 99         | 5                    | 75   | 61    | 141        | 4                          | 28   | 10    | 42         | 16                   | 53   | 2     | 71         | 353        |
| 07:45 AM   | 83                         | 17   | 31    | 131        | 0                    | 57   | 37    | 94         | 1                          | 19   | 6     | 26         | 17                   | 102  | 2     | 121        | 372        |
| 08:00 AM   | 31                         | 7    | 16    | 54         | 6                    | 60   | 24    | 90         | 2                          | 16   | 9     | 27         | 8                    | 55   | 1     | 64         | 235        |
| Total Volume   | 222                        | 50   | 94    | 366        | 14                   | 264  | 156   | 434        | 10                         | 83   | 32    | 125        | 51                   | 251  | 5     | 307        | 1232       |
| % App. Total   | 60.7                       | 13.7 | 25.7  |            | 3.2                  | 60.8 | 35.9  |            | 8                          | 66.4 | 25.6  |            | 16.6                 | 81.8 | 1.6   |            |            |
| PHF  | .669                       | .735 | .758  | .698       | .583                 | .880 | .639  | .770       | .625                       | .741 | .800  | .744       | .750                 | .615 | .625  | .634       | .828       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Palm Drive  
 Weather: Clear

File Name : PLAVAPAAM  
 Site Code : 22117718  
 Start Date : 12/12/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:00 AM  |           |           |            | 07:15 AM |           |           |            | 07:30 AM |           |           |           | 07:45 AM  |            |      |            |
|--------------|-----------|-----------|-----------|------------|----------|-----------|-----------|------------|----------|-----------|-----------|-----------|-----------|------------|------|------------|
| +0 mins.     | 48        | 4         | 15        | 67         | 3        | 72        | 34        | 109        | 3        | 20        | 7         | 30        | 16        | 53         | 2    | 71         |
| +15 mins.    | 51        | 11        | 20        | 82         | 5        | <b>75</b> | <b>61</b> | <b>141</b> | <b>4</b> | <b>28</b> | <b>10</b> | <b>42</b> | <b>17</b> | <b>102</b> | 2    | <b>121</b> |
| +30 mins.    | 57        | 15        | 27        | 99         | 0        | 57        | 37        | 94         | 1        | 19        | 6         | 26        | 8         | 55         | 1    | 64         |
| +45 mins.    | <b>83</b> | <b>17</b> | <b>31</b> | <b>131</b> | <b>6</b> | 60        | 24        | 90         | 2        | 16        | 9         | 27        | 9         | 52         | 0    | 61         |
| Total Volume | 239       | 47        | 93        | 379        | 14       | 264       | 156       | 434        | 10       | 83        | 32        | 125       | 50        | 262        | 5    | 317        |
| % App. Total | 63.1      | 12.4      | 24.5      |            | 3.2      | 60.8      | 35.9      |            | 8        | 66.4      | 25.6      |           | 15.8      | 82.6       | 1.6  |            |
| PHF          | .720      | .691      | .750      | .723       | .583     | .880      | .639      | .770       | .625     | .741      | .800      | .744      | .735      | .642       | .625 | .655       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Palm Drive  
 Weather: Clear

File Name : PLAVAPAPM  
 Site Code : 22117718  
 Start Date : 12/12/2017  
 Page No : 1

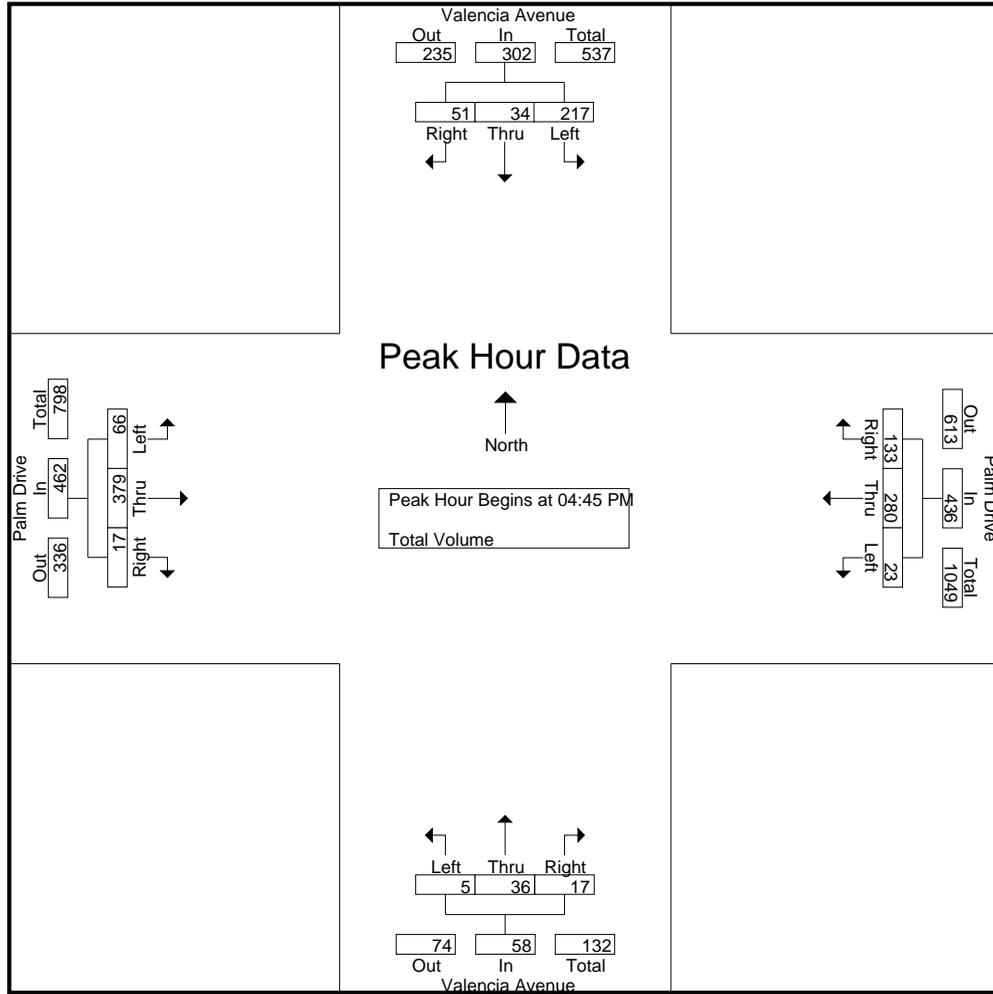
Groups Printed- Total Volume

| Start Time  | Valencia Avenue Southbound |      |       |            | Palm Drive Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| 04:00 PM    | 40                         | 15   | 21    | 76         | 4                    | 54   | 17    | 75         | 0                          | 9    | 4     | 13         | 16                   | 80   | 5     | 101        | 265        |
| 04:15 PM    | 53                         | 7    | 10    | 70         | 3                    | 62   | 31    | 96         | 0                          | 6    | 3     | 9          | 14                   | 72   | 2     | 88         | 263        |
| 04:30 PM    | 43                         | 9    | 22    | 74         | 6                    | 58   | 25    | 89         | 2                          | 12   | 4     | 18         | 12                   | 75   | 2     | 89         | 270        |
| 04:45 PM    | 34                         | 4    | 13    | 51         | 4                    | 65   | 32    | 101        | 1                          | 10   | 6     | 17         | 20                   | 81   | 3     | 104        | 273        |
| Total       | 170                        | 35   | 66    | 271        | 17                   | 239  | 105   | 361        | 3                          | 37   | 17    | 57         | 62                   | 308  | 12    | 382        | 1071       |
| 05:00 PM    | 60                         | 10   | 10    | 80         | 5                    | 69   | 31    | 105        | 2                          | 7    | 4     | 13         | 18                   | 105  | 7     | 130        | 328        |
| 05:15 PM    | 72                         | 6    | 15    | 93         | 10                   | 67   | 38    | 115        | 0                          | 13   | 2     | 15         | 13                   | 107  | 4     | 124        | 347        |
| 05:30 PM    | 51                         | 14   | 13    | 78         | 4                    | 79   | 32    | 115        | 2                          | 6    | 5     | 13         | 15                   | 86   | 3     | 104        | 310        |
| 05:45 PM    | 45                         | 5    | 9     | 59         | 6                    | 59   | 28    | 93         | 2                          | 8    | 5     | 15         | 22                   | 73   | 7     | 102        | 269        |
| Total       | 228                        | 35   | 47    | 310        | 25                   | 274  | 129   | 428        | 6                          | 34   | 16    | 56         | 68                   | 371  | 21    | 460        | 1254       |
| Grand Total | 398                        | 70   | 113   | 581        | 42                   | 513  | 234   | 789        | 9                          | 71   | 33    | 113        | 130                  | 679  | 33    | 842        | 2325       |
| Apprch %    | 68.5                       | 12   | 19.4  |            | 5.3                  | 65   | 29.7  |            | 8                          | 62.8 | 29.2  |            | 15.4                 | 80.6 | 3.9   |            |            |
| Total %     | 17.1                       | 3    | 4.9   | 25         | 1.8                  | 22.1 | 10.1  | 33.9       | 0.4                        | 3.1  | 1.4   | 4.9        | 5.6                  | 29.2 | 1.4   | 36.2       |            |

| Start Time   | Valencia Avenue Southbound |      |       |            | Palm Drive Westbound |      |       |            | Valencia Avenue Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|----------------------|------|-------|------------|----------------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                      |      |       |            |                            |      |       |            |                      |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                            |      |       |            |                      |      |       |            |                            |      |       |            |                      |      |       |            |            |
| 04:45 PM   | 34                         | 4    | 13    | 51         | 4                    | 65   | 32    | 101        | 1                          | 10   | 6     | 17         | 20                   | 81   | 3     | 104        | 273        |
| 05:00 PM   | 60                         | 10   | 10    | 80         | 5                    | 69   | 31    | 105        | 2                          | 7    | 4     | 13         | 18                   | 105  | 7     | 130        | 328        |
| 05:15 PM   | 72                         | 6    | 15    | 93         | 10                   | 67   | 38    | 115        | 0                          | 13   | 2     | 15         | 13                   | 107  | 4     | 124        | 347        |
| 05:30 PM   | 51                         | 14   | 13    | 78         | 4                    | 79   | 32    | 115        | 2                          | 6    | 5     | 13         | 15                   | 86   | 3     | 104        | 310        |
| Total Volume   | 217                        | 34   | 51    | 302        | 23                   | 280  | 133   | 436        | 5                          | 36   | 17    | 58         | 66                   | 379  | 17    | 462        | 1258       |
| % App. Total   | 71.9                       | 11.3 | 16.9  |            | 5.3                  | 64.2 | 30.5  |            | 8.6                        | 62.1 | 29.3  |            | 14.3                 | 82   | 3.7   |            |            |
| PHF  | .753                       | .607 | .850  | .812       | .575                 | .886 | .875  | .948       | .625                       | .692 | .708  | .853       | .825                 | .886 | .607  | .888       | .906       |

City of Placentia  
 N/S: Valencia Avenue  
 E/W: Palm Drive  
 Weather: Clear

File Name : PLAVAPAPM  
 Site Code : 22117718  
 Start Date : 12/12/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM |      |      |      | 04:45 PM |      |      |      | 04:30 PM |      |      |      | 04:15 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 60       | 10   | 10   | 80   | 4        | 65   | 32   | 101  | 2        | 12   | 4    | 18   | 20       | 81   | 3    | 104  |
| +15 mins.    | 72       | 6    | 15   | 93   | 5        | 69   | 31   | 105  | 1        | 10   | 6    | 17   | 18       | 105  | 7    | 130  |
| +30 mins.    | 51       | 14   | 13   | 78   | 10       | 67   | 38   | 115  | 2        | 7    | 4    | 13   | 13       | 107  | 4    | 124  |
| +45 mins.    | 45       | 5    | 9    | 59   | 4        | 79   | 32   | 115  | 0        | 13   | 2    | 15   | 15       | 86   | 3    | 104  |
| Total Volume | 228      | 35   | 47   | 310  | 23       | 280  | 133  | 436  | 5        | 42   | 16   | 63   | 66       | 379  | 17   | 462  |
| % App. Total | 73.5     | 11.3 | 15.2 |      | 5.3      | 64.2 | 30.5 |      | 7.9      | 66.7 | 25.4 |      | 14.3     | 82   | 3.7  |      |
| PHF          | .792     | .625 | .783 | .833 | .575     | .886 | .875 | .948 | .625     | .808 | .667 | .875 | .825     | .886 | .607 | .888 |

City of Placentia  
 N/S: Rose Drive  
 E/W: Palm Drive  
 Weather: Clear

File Name : 15PLAROPAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

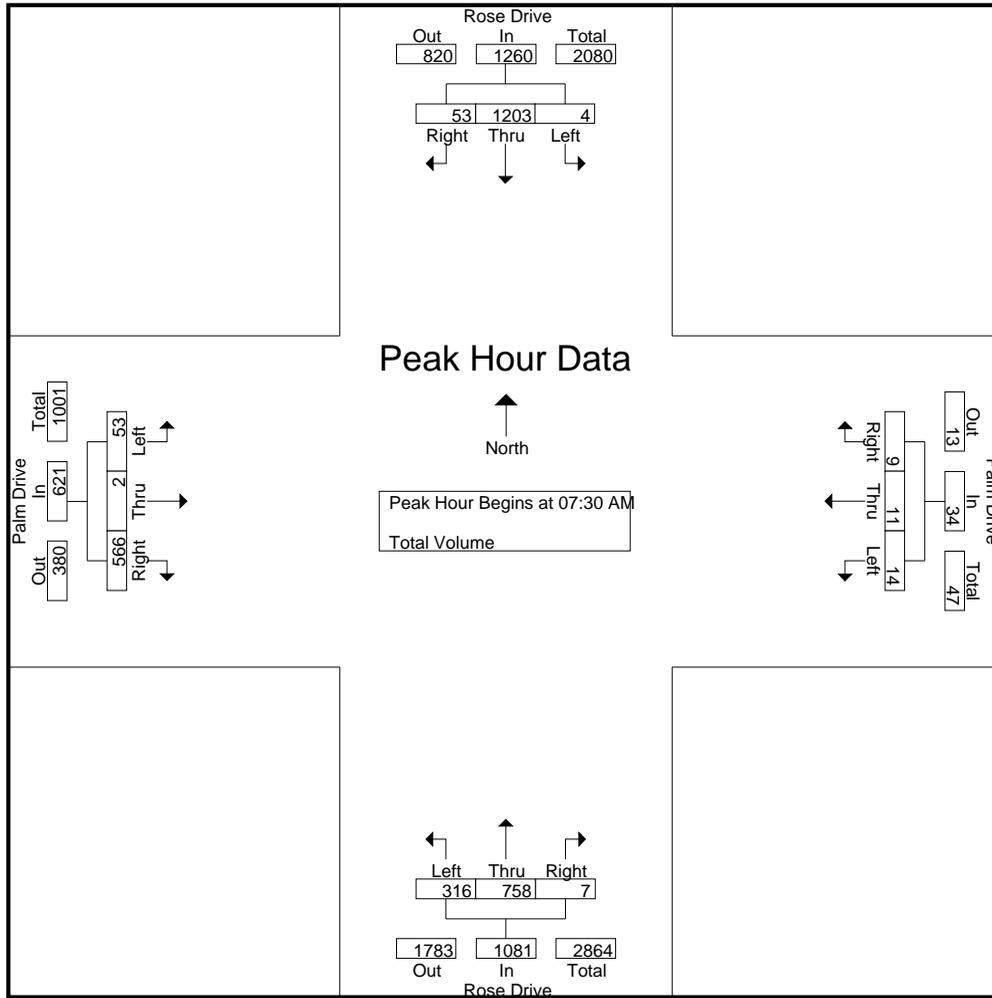
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Palm Drive Westbound |      |       |            | Rose Drive Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| 07:00 AM    | 1                     | 246  | 6     | 253        | 1                    | 1    | 0     | 2          | 45                    | 95   | 0     | 140        | 7                    | 1    | 91    | 99         | 494        |
| 07:15 AM    | 1                     | 261  | 12    | 274        | 3                    | 0    | 1     | 4          | 66                    | 131  | 2     | 199        | 13                   | 0    | 123   | 136        | 613        |
| 07:30 AM    | 1                     | 307  | 16    | 324        | 6                    | 4    | 6     | 16         | 117                   | 215  | 3     | 335        | 13                   | 0    | 157   | 170        | 845        |
| 07:45 AM    | 0                     | 322  | 13    | 335        | 3                    | 1    | 1     | 5          | 86                    | 220  | 1     | 307        | 20                   | 1    | 181   | 202        | 849        |
| Total       | 3                     | 1136 | 47    | 1186       | 13                   | 6    | 8     | 27         | 314                   | 661  | 6     | 981        | 53                   | 2    | 552   | 607        | 2801       |
| 08:00 AM    | 2                     | 290  | 14    | 306        | 1                    | 3    | 2     | 6          | 52                    | 150  | 2     | 204        | 10                   | 1    | 118   | 129        | 645        |
| 08:15 AM    | 1                     | 284  | 10    | 295        | 4                    | 3    | 0     | 7          | 61                    | 173  | 1     | 235        | 10                   | 0    | 110   | 120        | 657        |
| 08:30 AM    | 2                     | 240  | 7     | 249        | 2                    | 2    | 3     | 7          | 68                    | 141  | 0     | 209        | 8                    | 0    | 90    | 98         | 563        |
| 08:45 AM    | 0                     | 225  | 7     | 232        | 1                    | 2    | 1     | 4          | 72                    | 164  | 2     | 238        | 12                   | 0    | 95    | 107        | 581        |
| Total       | 5                     | 1039 | 38    | 1082       | 8                    | 10   | 6     | 24         | 253                   | 628  | 5     | 886        | 40                   | 1    | 413   | 454        | 2446       |
| Grand Total | 8                     | 2175 | 85    | 2268       | 21                   | 16   | 14    | 51         | 567                   | 1289 | 11    | 1867       | 93                   | 3    | 965   | 1061       | 5247       |
| Apprch %    | 0.4                   | 95.9 | 3.7   |            | 41.2                 | 31.4 | 27.5  |            | 30.4                  | 69   | 0.6   |            | 8.8                  | 0.3  | 91    |            |            |
| Total %     | 0.2                   | 41.5 | 1.6   | 43.2       | 0.4                  | 0.3  | 0.3   | 1          | 10.8                  | 24.6 | 0.2   | 35.6       | 1.8                  | 0.1  | 18.4  | 20.2       |            |

| Start Time   | Rose Drive Southbound |      |       |            | Palm Drive Westbound |      |       |            | Rose Drive Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|--|-----------------------|------|-------|------------|----------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|  | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                       |      |       |            |                      |      |       |            |                       |      |       |            |                      |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                       |      |       |            |                      |      |       |            |                       |      |       |            |                      |      |       |            |            |
| 07:30 AM   | 1                     | 307  | 16    | 324        | 6                    | 4    | 6     | 16         | 117                   | 215  | 3     | 335        | 13                   | 0    | 157   | 170        | 845        |
| 07:45 AM   | 0                     | 322  | 13    | 335        | 3                    | 1    | 1     | 5          | 86                    | 220  | 1     | 307        | 20                   | 1    | 181   | 202        | 849        |
| 08:00 AM   | 2                     | 290  | 14    | 306        | 1                    | 3    | 2     | 6          | 52                    | 150  | 2     | 204        | 10                   | 1    | 118   | 129        | 645        |
| 08:15 AM   | 1                     | 284  | 10    | 295        | 4                    | 3    | 0     | 7          | 61                    | 173  | 1     | 235        | 10                   | 0    | 110   | 120        | 657        |
| Total Volume   | 4                     | 1203 | 53    | 1260       | 14                   | 11   | 9     | 34         | 316                   | 758  | 7     | 1081       | 53                   | 2    | 566   | 621        | 2996       |
| % App. Total   | 0.3                   | 95.5 | 4.2   |            | 41.2                 | 32.4 | 26.5  |            | 29.2                  | 70.1 | 0.6   |            | 8.5                  | 0.3  | 91.1  |            |            |
| PHF  | .500                  | .934 | .828  | .940       | .583                 | .688 | .375  | .531       | .675                  | .861 | .583  | .807       | .663                 | .500 | .782  | .769       | .882       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Palm Drive  
 Weather: Clear

File Name : 15PLAROPAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM |      |      |      | 07:30 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 1        | 307  | 16   | 324  | 6        | 4    | 6    | 16   | 117      | 215  | 3    | 335  | 13       | 0    | 123  | 136  |
| +15 mins.    | 0        | 322  | 13   | 335  | 3        | 1    | 1    | 5    | 86       | 220  | 1    | 307  | 13       | 0    | 157  | 170  |
| +30 mins.    | 2        | 290  | 14   | 306  | 1        | 3    | 2    | 6    | 52       | 150  | 2    | 204  | 20       | 1    | 181  | 202  |
| +45 mins.    | 1        | 284  | 10   | 295  | 4        | 3    | 0    | 7    | 61       | 173  | 1    | 235  | 10       | 1    | 118  | 129  |
| Total Volume | 4        | 1203 | 53   | 1260 | 14       | 11   | 9    | 34   | 316      | 758  | 7    | 1081 | 56       | 2    | 579  | 637  |
| % App. Total | 0.3      | 95.5 | 4.2  |      | 41.2     | 32.4 | 26.5 |      | 29.2     | 70.1 | 0.6  |      | 8.8      | 0.3  | 90.9 |      |
| PHF          | .500     | .934 | .828 | .940 | .583     | .688 | .375 | .531 | .675     | .861 | .583 | .807 | .700     | .500 | .800 | .788 |

City of Placentia  
 N/S: Rose Drive  
 E/W: Palm Drive  
 Weather: Clear

File Name : 15PLAROPAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

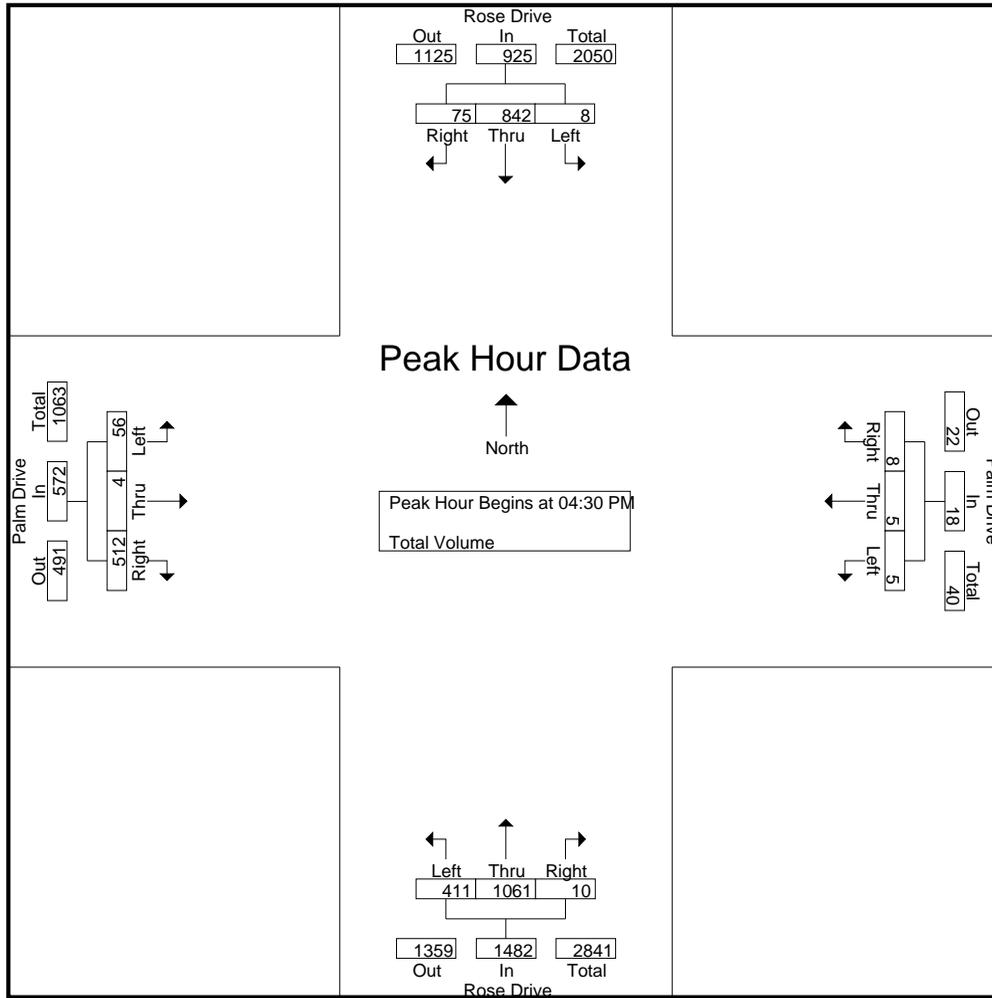
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Palm Drive Westbound |      |       |            | Rose Drive Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| 04:00 PM    | 1                     | 208  | 16    | 225        | 2                    | 2    | 2     | 6          | 93                    | 228  | 1     | 322        | 9                    | 3    | 121   | 133        | 686        |
| 04:15 PM    | 1                     | 193  | 26    | 220        | 1                    | 1    | 2     | 4          | 100                   | 205  | 4     | 309        | 17                   | 1    | 120   | 138        | 671        |
| 04:30 PM    | 4                     | 215  | 14    | 233        | 2                    | 0    | 4     | 6          | 99                    | 232  | 3     | 334        | 8                    | 0    | 119   | 127        | 700        |
| 04:45 PM    | 2                     | 231  | 20    | 253        | 1                    | 1    | 4     | 6          | 89                    | 273  | 2     | 364        | 16                   | 1    | 110   | 127        | 750        |
| Total       | 8                     | 847  | 76    | 931        | 6                    | 4    | 12    | 22         | 381                   | 938  | 10    | 1329       | 50                   | 5    | 470   | 525        | 2807       |
| 05:00 PM    | 0                     | 199  | 21    | 220        | 1                    | 2    | 0     | 3          | 115                   | 299  | 3     | 417        | 15                   | 0    | 133   | 148        | 788        |
| 05:15 PM    | 2                     | 197  | 20    | 219        | 1                    | 2    | 0     | 3          | 108                   | 257  | 2     | 367        | 17                   | 3    | 150   | 170        | 759        |
| 05:30 PM    | 1                     | 191  | 15    | 207        | 1                    | 1    | 2     | 4          | 100                   | 256  | 4     | 360        | 14                   | 2    | 107   | 123        | 694        |
| 05:45 PM    | 2                     | 188  | 10    | 200        | 3                    | 1    | 2     | 6          | 93                    | 244  | 8     | 345        | 15                   | 1    | 107   | 123        | 674        |
| Total       | 5                     | 775  | 66    | 846        | 6                    | 6    | 4     | 16         | 416                   | 1056 | 17    | 1489       | 61                   | 6    | 497   | 564        | 2915       |
| Grand Total | 13                    | 1622 | 142   | 1777       | 12                   | 10   | 16    | 38         | 797                   | 1994 | 27    | 2818       | 111                  | 11   | 967   | 1089       | 5722       |
| Apprch %    | 0.7                   | 91.3 | 8     |            | 31.6                 | 26.3 | 42.1  |            | 28.3                  | 70.8 | 1     |            | 10.2                 | 1    | 88.8  |            |            |
| Total %     | 0.2                   | 28.3 | 2.5   | 31.1       | 0.2                  | 0.2  | 0.3   | 0.7        | 13.9                  | 34.8 | 0.5   | 49.2       | 1.9                  | 0.2  | 16.9  | 19         |            |

| Start Time   | Rose Drive Southbound |      |       |            | Palm Drive Westbound |      |       |            | Rose Drive Northbound |      |       |            | Palm Drive Eastbound |      |       |            | Int. Total |
|--|-----------------------|------|-------|------------|----------------------|------|-------|------------|-----------------------|------|-------|------------|----------------------|------|-------|------------|------------|
|  | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                 | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                       |      |       |            |                      |      |       |            |                       |      |       |            |                      |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:30 PM       |                       |      |       |            |                      |      |       |            |                       |      |       |            |                      |      |       |            |            |
| 04:30 PM   | 4                     | 215  | 14    | 233        | 2                    | 0    | 4     | 6          | 99                    | 232  | 3     | 334        | 8                    | 0    | 119   | 127        | 700        |
| 04:45 PM   | 2                     | 231  | 20    | 253        | 1                    | 1    | 4     | 6          | 89                    | 273  | 2     | 364        | 16                   | 1    | 110   | 127        | 750        |
| 05:00 PM   | 0                     | 199  | 21    | 220        | 1                    | 2    | 0     | 3          | 115                   | 299  | 3     | 417        | 15                   | 0    | 133   | 148        | 788        |
| 05:15 PM   | 2                     | 197  | 20    | 219        | 1                    | 2    | 0     | 3          | 108                   | 257  | 2     | 367        | 17                   | 3    | 150   | 170        | 759        |
| Total Volume   | 8                     | 842  | 75    | 925        | 5                    | 5    | 8     | 18         | 411                   | 1061 | 10    | 1482       | 56                   | 4    | 512   | 572        | 2997       |
| % App. Total   | 0.9                   | 91   | 8.1   |            | 27.8                 | 27.8 | 44.4  |            | 27.7                  | 71.6 | 0.7   |            | 9.8                  | 0.7  | 89.5  |            |            |
| PHF  | .500                  | .911 | .893  | .914       | .625                 | .625 | .500  | .750       | .893                  | .887 | .833  | .888       | .824                 | .333 | .853  | .841       | .951       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Palm Drive  
 Weather: Clear

File Name : 15PLAROPAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM |            |           |            | 04:00 PM |          |          |          | 04:45 PM   |            |          |            | 04:30 PM  |          |            |            |
|--------------|----------|------------|-----------|------------|----------|----------|----------|----------|------------|------------|----------|------------|-----------|----------|------------|------------|
| +0 mins.     | 1        | 208        | 16        | 225        | <b>2</b> | <b>2</b> | 2        | <b>6</b> | 89         | 273        | 2        | 364        | 8         | 0        | 119        | 127        |
| +15 mins.    | 1        | 193        | <b>26</b> | 220        | 1        | 1        | 2        | 4        | <b>115</b> | <b>299</b> | 3        | <b>417</b> | 16        | 1        | 110        | 127        |
| +30 mins.    | <b>4</b> | 215        | 14        | 233        | 2        | 0        | <b>4</b> | 6        | 108        | 257        | 2        | 367        | 15        | 0        | 133        | 148        |
| +45 mins.    | 2        | <b>231</b> | 20        | <b>253</b> | 1        | 1        | 4        | 6        | 100        | 256        | <b>4</b> | 360        | <b>17</b> | <b>3</b> | <b>150</b> | <b>170</b> |
| Total Volume | 8        | 847        | 76        | 931        | 6        | 4        | 12       | 22       | 412        | 1085       | 11       | 1508       | 56        | 4        | 512        | 572        |
| % App. Total | 0.9      | 91         | 8.2       |            | 27.3     | 18.2     | 54.5     |          | 27.3       | 71.9       | 0.7      |            | 9.8       | 0.7      | 89.5       |            |
| PHF          | .500     | .917       | .731      | .920       | .750     | .500     | .750     | .917     | .896       | .907       | .688     | .904       | .824      | .333     | .853       | .841       |

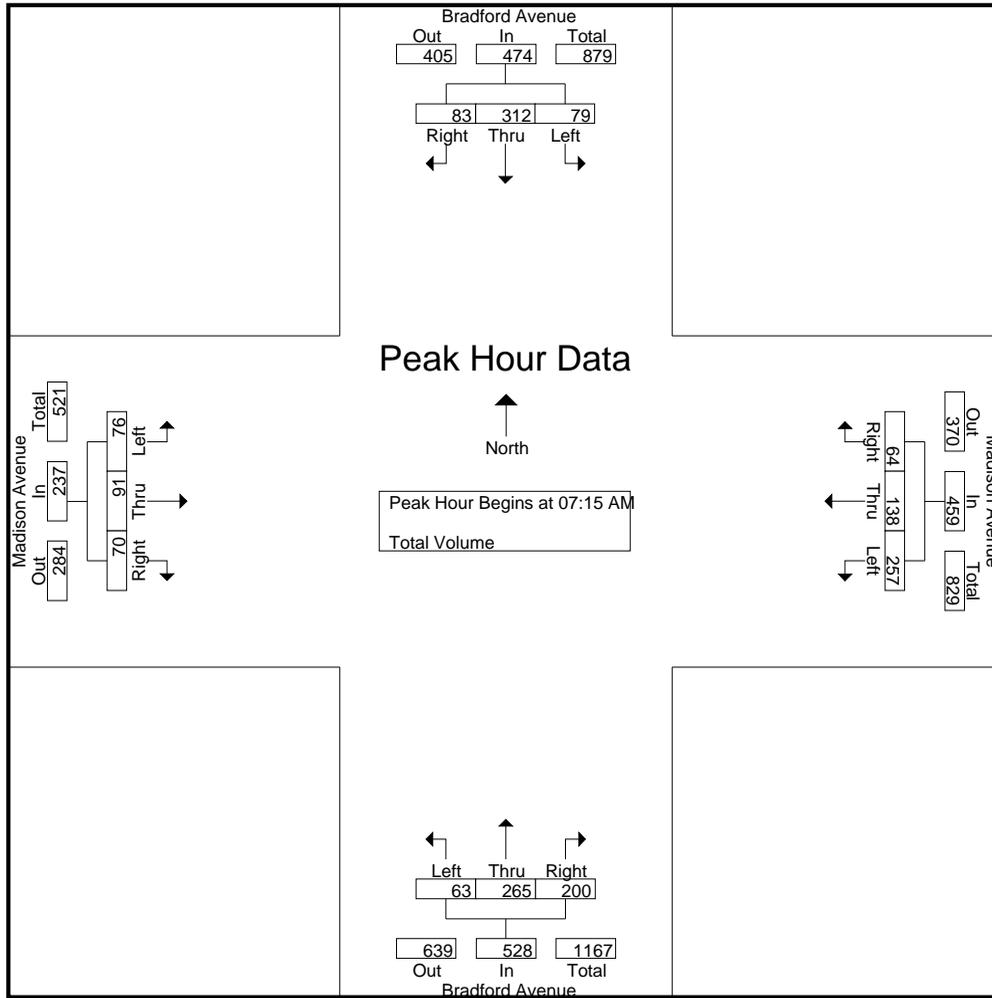
City of Placentia  
 N/S: Bradford Avenue  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 16PLABRMAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 15                         | 49   | 14    | 78         | 14                       | 25   | 2     | 41         | 4                          | 26   | 10    | 40         | 6                        | 18   | 6     | 30         | 189        |
| 07:15 AM    | 16                         | 62   | 27    | 105        | 39                       | 32   | 16    | 87         | 6                          | 46   | 25    | 77         | 13                       | 18   | 9     | 40         | 309        |
| 07:30 AM    | 16                         | 91   | 21    | 128        | 104                      | 30   | 20    | 154        | 23                         | 71   | 65    | 159        | 34                       | 28   | 17    | 79         | 520        |
| 07:45 AM    | 28                         | 95   | 17    | 140        | 86                       | 41   | 12    | 139        | 28                         | 108  | 92    | 228        | 20                       | 23   | 33    | 76         | 583        |
| Total       | 75                         | 297  | 79    | 451        | 243                      | 128  | 50    | 421        | 61                         | 251  | 192   | 504        | 73                       | 87   | 65    | 225        | 1601       |
| 08:00 AM    | 19                         | 64   | 18    | 101        | 28                       | 35   | 16    | 79         | 6                          | 40   | 18    | 64         | 9                        | 22   | 11    | 42         | 286        |
| 08:15 AM    | 16                         | 56   | 13    | 85         | 48                       | 25   | 13    | 86         | 6                          | 25   | 6     | 37         | 11                       | 23   | 18    | 52         | 260        |
| 08:30 AM    | 17                         | 44   | 17    | 78         | 23                       | 22   | 10    | 55         | 5                          | 35   | 16    | 56         | 16                       | 27   | 8     | 51         | 240        |
| 08:45 AM    | 11                         | 43   | 10    | 64         | 25                       | 18   | 12    | 55         | 7                          | 47   | 11    | 65         | 12                       | 18   | 10    | 40         | 224        |
| Total       | 63                         | 207  | 58    | 328        | 124                      | 100  | 51    | 275        | 24                         | 147  | 51    | 222        | 48                       | 90   | 47    | 185        | 1010       |
| Grand Total | 138                        | 504  | 137   | 779        | 367                      | 228  | 101   | 696        | 85                         | 398  | 243   | 726        | 121                      | 177  | 112   | 410        | 2611       |
| Apprch %    | 17.7                       | 64.7 | 17.6  |            | 52.7                     | 32.8 | 14.5  |            | 11.7                       | 54.8 | 33.5  |            | 29.5                     | 43.2 | 27.3  |            |            |
| Total %     | 5.3                        | 19.3 | 5.2   | 29.8       | 14.1                     | 8.7  | 3.9   | 26.7       | 3.3                        | 15.2 | 9.3   | 27.8       | 4.6                      | 6.8  | 4.3   | 15.7       |            |

| Start Time   | Bradford Avenue Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| 07:15 AM   | 16                         | 62   | 27    | 105        | 39                       | 32   | 16    | 87         | 6                          | 46   | 25    | 77         | 13                       | 18   | 9     | 40         | 309        |
| 07:30 AM   | 16                         | 91   | 21    | 128        | 104                      | 30   | 20    | 154        | 23                         | 71   | 65    | 159        | 34                       | 28   | 17    | 79         | 520        |
| 07:45 AM   | 28                         | 95   | 17    | 140        | 86                       | 41   | 12    | 139        | 28                         | 108  | 92    | 228        | 20                       | 23   | 33    | 76         | 583        |
| 08:00 AM   | 19                         | 64   | 18    | 101        | 28                       | 35   | 16    | 79         | 6                          | 40   | 18    | 64         | 9                        | 22   | 11    | 42         | 286        |
| Total Volume   | 79                         | 312  | 83    | 474        | 257                      | 138  | 64    | 459        | 63                         | 265  | 200   | 528        | 76                       | 91   | 70    | 237        | 1698       |
| % App. Total   | 16.7                       | 65.8 | 17.5  |            | 56                       | 30.1 | 13.9  |            | 11.9                       | 50.2 | 37.9  |            | 32.1                     | 38.4 | 29.5  |            |            |
| PHF  | .705                       | .821 | .769  | .846       | .618                     | .841 | .800  | .745       | .563                       | .613 | .543  | .579       | .559                     | .813 | .530  | .750       | .728       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |           |            | 07:15 AM   |           |           |            | 07:15 AM  |            |           |            | 07:30 AM  |           |           |           |
|--------------|-----------|-----------|-----------|------------|------------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | 16        | 62        | <b>27</b> | 105        | 39         | 32        | 16        | 87         | 6         | 46         | 25        | 77         | <b>34</b> | <b>28</b> | 17        | <b>79</b> |
| +15 mins.    | 16        | 91        | 21        | 128        | <b>104</b> | 30        | <b>20</b> | <b>154</b> | 23        | 71         | 65        | 159        | 20        | 23        | <b>33</b> | 76        |
| +30 mins.    | <b>28</b> | <b>95</b> | 17        | <b>140</b> | 86         | <b>41</b> | 12        | 139        | <b>28</b> | <b>108</b> | <b>92</b> | <b>228</b> | 9         | 22        | 11        | 42        |
| +45 mins.    | 19        | 64        | 18        | 101        | 28         | 35        | 16        | 79         | 6         | 40         | 18        | 64         | 11        | 23        | 18        | 52        |
| Total Volume | 79        | 312       | 83        | 474        | 257        | 138       | 64        | 459        | 63        | 265        | 200       | 528        | 74        | 96        | 79        | 249       |
| % App. Total | 16.7      | 65.8      | 17.5      |            | 56         | 30.1      | 13.9      |            | 11.9      | 50.2       | 37.9      |            | 29.7      | 38.6      | 31.7      |           |
| PHF          | .705      | .821      | .769      | .846       | .618       | .841      | .800      | .745       | .563      | .613       | .543      | .579       | .544      | .857      | .598      | .788      |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 16PLABRMPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

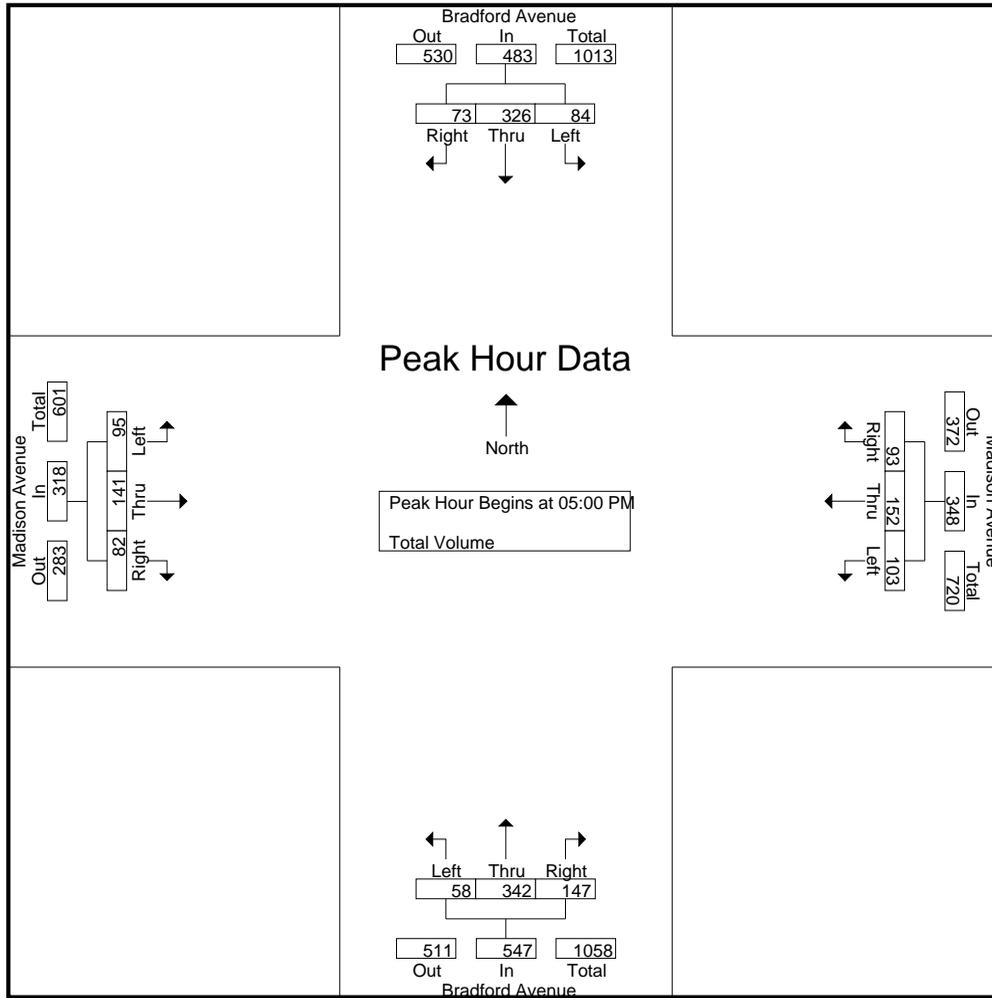
Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 20                         | 77   | 19    | 116        | 19                       | 23   | 13    | 55         | 12                         | 103  | 41    | 156        | 16                       | 44   | 9     | 69         | 396        |
| 04:15 PM    | 14                         | 55   | 15    | 84         | 11                       | 16   | 12    | 39         | 7                          | 79   | 31    | 117        | 22                       | 31   | 10    | 63         | 303        |
| 04:30 PM    | 13                         | 75   | 14    | 102        | 16                       | 25   | 23    | 64         | 6                          | 57   | 38    | 101        | 16                       | 46   | 8     | 70         | 337        |
| 04:45 PM    | 10                         | 70   | 10    | 90         | 14                       | 23   | 24    | 61         | 7                          | 94   | 34    | 135        | 26                       | 36   | 13    | 75         | 361        |
| Total       | 57                         | 277  | 58    | 392        | 60                       | 87   | 72    | 219        | 32                         | 333  | 144   | 509        | 80                       | 157  | 40    | 277        | 1397       |
| 05:00 PM    | 20                         | 78   | 21    | 119        | 17                       | 32   | 16    | 65         | 12                         | 87   | 25    | 124        | 26                       | 32   | 9     | 67         | 375        |
| 05:15 PM    | 19                         | 77   | 20    | 116        | 30                       | 50   | 22    | 102        | 19                         | 90   | 44    | 153        | 24                       | 34   | 31    | 89         | 460        |
| 05:30 PM    | 23                         | 90   | 19    | 132        | 34                       | 41   | 34    | 109        | 14                         | 84   | 46    | 144        | 21                       | 39   | 33    | 93         | 478        |
| 05:45 PM    | 22                         | 81   | 13    | 116        | 22                       | 29   | 21    | 72         | 13                         | 81   | 32    | 126        | 24                       | 36   | 9     | 69         | 383        |
| Total       | 84                         | 326  | 73    | 483        | 103                      | 152  | 93    | 348        | 58                         | 342  | 147   | 547        | 95                       | 141  | 82    | 318        | 1696       |
| Grand Total | 141                        | 603  | 131   | 875        | 163                      | 239  | 165   | 567        | 90                         | 675  | 291   | 1056       | 175                      | 298  | 122   | 595        | 3093       |
| Apprch %    | 16.1                       | 68.9 | 15    |            | 28.7                     | 42.2 | 29.1  |            | 8.5                        | 63.9 | 27.6  |            | 29.4                     | 50.1 | 20.5  |            |            |
| Total %     | 4.6                        | 19.5 | 4.2   | 28.3       | 5.3                      | 7.7  | 5.3   | 18.3       | 2.9                        | 21.8 | 9.4   | 34.1       | 5.7                      | 9.6  | 3.9   | 19.2       |            |

| Start Time   | Bradford Avenue Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| 05:00 PM   | 20                         | 78   | 21    | 119        | 17                       | 32   | 16    | 65         | 12                         | 87   | 25    | 124        | 26                       | 32   | 9     | 67         | 375        |
| 05:15 PM   | 19                         | 77   | 20    | 116        | 30                       | 50   | 22    | 102        | 19                         | 90   | 44    | 153        | 24                       | 34   | 31    | 89         | 460        |
| 05:30 PM   | 23                         | 90   | 19    | 132        | 34                       | 41   | 34    | 109        | 14                         | 84   | 46    | 144        | 21                       | 39   | 33    | 93         | 478        |
| 05:45 PM   | 22                         | 81   | 13    | 116        | 22                       | 29   | 21    | 72         | 13                         | 81   | 32    | 126        | 24                       | 36   | 9     | 69         | 383        |
| Total Volume   | 84                         | 326  | 73    | 483        | 103                      | 152  | 93    | 348        | 58                         | 342  | 147   | 547        | 95                       | 141  | 82    | 318        | 1696       |
| % App. Total   | 17.4                       | 67.5 | 15.1  |            | 29.6                     | 43.7 | 26.7  |            | 10.6                       | 62.5 | 26.9  |            | 29.9                     | 44.3 | 25.8  |            |            |
| PHF  | .913                       | .906 | .869  | .915       | .757                     | .760 | .684  | .798       | .763                       | .950 | .799  | .894       | .913                     | .904 | .621  | .855       | .887       |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 16PLABRMPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM |      |      |      | 05:00 PM |      |      |      | 04:45 PM |      |      |      | 04:45 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 20       | 78   | 21   | 119  | 17       | 32   | 16   | 65   | 7        | 94   | 34   | 135  | 26       | 36   | 13   | 75   |
| +15 mins.    | 19       | 77   | 20   | 116  | 30       | 50   | 22   | 102  | 12       | 87   | 25   | 124  | 26       | 32   | 9    | 67   |
| +30 mins.    | 23       | 90   | 19   | 132  | 34       | 41   | 34   | 109  | 19       | 90   | 44   | 153  | 24       | 34   | 31   | 89   |
| +45 mins.    | 22       | 81   | 13   | 116  | 22       | 29   | 21   | 72   | 14       | 84   | 46   | 144  | 21       | 39   | 33   | 93   |
| Total Volume | 84       | 326  | 73   | 483  | 103      | 152  | 93   | 348  | 52       | 355  | 149  | 556  | 97       | 141  | 86   | 324  |
| % App. Total | 17.4     | 67.5 | 15.1 |      | 29.6     | 43.7 | 26.7 |      | 9.4      | 63.8 | 26.8 |      | 29.9     | 43.5 | 26.5 |      |
| PHF          | .913     | .906 | .869 | .915 | .757     | .760 | .684 | .798 | .684     | .944 | .810 | .908 | .933     | .904 | .652 | .871 |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 17PLAKRMAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

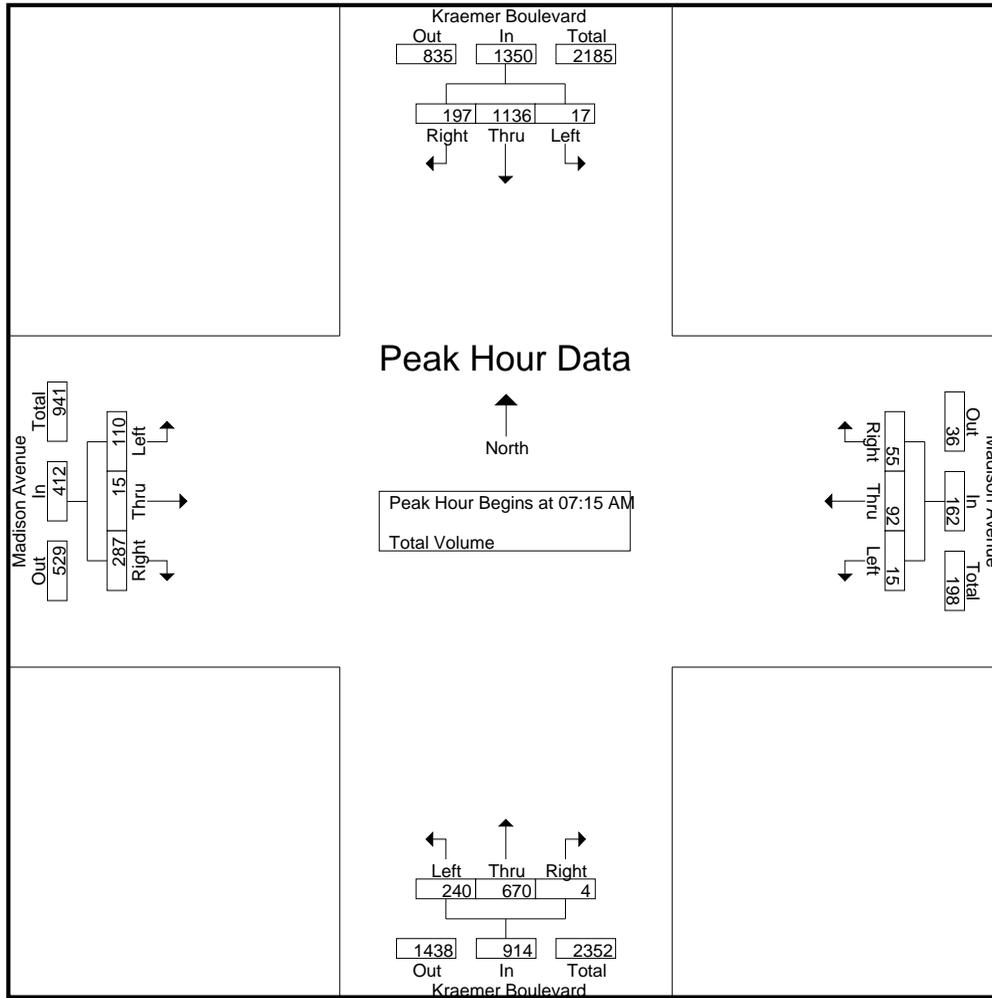
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 1                            | 213  | 17    | 231        | 2                        | 4    | 5     | 11         | 26                           | 93   | 2     | 121        | 14                       | 0    | 34    | 48         | 411        |
| 07:15 AM    | 2                            | 243  | 43    | 288        | 3                        | 12   | 6     | 21         | 49                           | 134  | 1     | 184        | 13                       | 1    | 45    | 59         | 552        |
| 07:30 AM    | 1                            | 319  | 74    | 394        | 4                        | 50   | 34    | 88         | 87                           | 245  | 1     | 333        | 33                       | 1    | 93    | 127        | 942        |
| 07:45 AM    | 7                            | 318  | 42    | 367        | 4                        | 20   | 7     | 31         | 68                           | 157  | 1     | 226        | 43                       | 12   | 106   | 161        | 785        |
| Total       | 11                           | 1093 | 176   | 1280       | 13                       | 86   | 52    | 151        | 230                          | 629  | 5     | 864        | 103                      | 14   | 278   | 395        | 2690       |
| 08:00 AM    | 7                            | 256  | 38    | 301        | 4                        | 10   | 8     | 22         | 36                           | 134  | 1     | 171        | 21                       | 1    | 43    | 65         | 559        |
| 08:15 AM    | 1                            | 241  | 38    | 280        | 0                        | 3    | 8     | 11         | 42                           | 134  | 2     | 178        | 10                       | 0    | 37    | 47         | 516        |
| 08:30 AM    | 2                            | 203  | 12    | 217        | 4                        | 5    | 8     | 17         | 37                           | 150  | 2     | 189        | 13                       | 1    | 46    | 60         | 483        |
| 08:45 AM    | 3                            | 200  | 15    | 218        | 4                        | 2    | 4     | 10         | 38                           | 154  | 1     | 193        | 12                       | 2    | 23    | 37         | 458        |
| Total       | 13                           | 900  | 103   | 1016       | 12                       | 20   | 28    | 60         | 153                          | 572  | 6     | 731        | 56                       | 4    | 149   | 209        | 2016       |
| Grand Total | 24                           | 1993 | 279   | 2296       | 25                       | 106  | 80    | 211        | 383                          | 1201 | 11    | 1595       | 159                      | 18   | 427   | 604        | 4706       |
| Apprch %    | 1                            | 86.8 | 12.2  |            | 11.8                     | 50.2 | 37.9  |            | 24                           | 75.3 | 0.7   |            | 26.3                     | 3    | 70.7  |            |            |
| Total %     | 0.5                          | 42.4 | 5.9   | 48.8       | 0.5                      | 2.3  | 1.7   | 4.5        | 8.1                          | 25.5 | 0.2   | 33.9       | 3.4                      | 0.4  | 9.1   | 12.8       |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                          |      |       |            |                              |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                              |      |       |            |                          |      |       |            |                              |      |       |            |                          |      |       |            |            |
| 07:15 AM   | 2                            | 243  | 43    | 288        | 3                        | 12   | 6     | 21         | 49                           | 134  | 1     | 184        | 13                       | 1    | 45    | 59         | 552        |
| 07:30 AM   | 1                            | 319  | 74    | 394        | 4                        | 50   | 34    | 88         | 87                           | 245  | 1     | 333        | 33                       | 1    | 93    | 127        | 942        |
| 07:45 AM   | 7                            | 318  | 42    | 367        | 4                        | 20   | 7     | 31         | 68                           | 157  | 1     | 226        | 43                       | 12   | 106   | 161        | 785        |
| 08:00 AM   | 7                            | 256  | 38    | 301        | 4                        | 10   | 8     | 22         | 36                           | 134  | 1     | 171        | 21                       | 1    | 43    | 65         | 559        |
| Total Volume   | 17                           | 1136 | 197   | 1350       | 15                       | 92   | 55    | 162        | 240                          | 670  | 4     | 914        | 110                      | 15   | 287   | 412        | 2838       |
| % App. Total   | 1.3                          | 84.1 | 14.6  |            | 9.3                      | 56.8 | 34    |            | 26.3                         | 73.3 | 0.4   |            | 26.7                     | 3.6  | 69.7  |            |            |
| PHF  | .607                         | .890 | .666  | .857       | .938                     | .460 | .404  | .460       | .690                         | .684 | 1.00  | .686       | .640                     | .313 | .677  | .640       | .753       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 17PLAKRMAAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |            |           |            | 07:15 AM |           |           |           | 07:15 AM  |            |       |            | 07:15 AM  |           |            |            |
|--------------|----------|------------|-----------|------------|----------|-----------|-----------|-----------|-----------|------------|-------|------------|-----------|-----------|------------|------------|
| +0 mins.     | 2        | 243        | 43        | 288        | 3        | 12        | 6         | 21        | 49        | 134        | 1     | 184        | 13        | 1         | 45         | 59         |
| +15 mins.    | 1        | <b>319</b> | <b>74</b> | <b>394</b> | <b>4</b> | <b>50</b> | <b>34</b> | <b>88</b> | <b>87</b> | <b>245</b> | 1     | <b>333</b> | 33        | 1         | 93         | 127        |
| +30 mins.    | <b>7</b> | 318        | 42        | 367        | 4        | 20        | 7         | 31        | 68        | 157        | 1     | 226        | <b>43</b> | <b>12</b> | <b>106</b> | <b>161</b> |
| +45 mins.    | 7        | 256        | 38        | 301        | 4        | 10        | 8         | 22        | 36        | 134        | 1     | 171        | 21        | 1         | 43         | 65         |
| Total Volume | 17       | 1136       | 197       | 1350       | 15       | 92        | 55        | 162       | 240       | 670        | 4     | 914        | 110       | 15        | 287        | 412        |
| % App. Total | 1.3      | 84.1       | 14.6      |            | 9.3      | 56.8      | 34        |           | 26.3      | 73.3       | 0.4   |            | 26.7      | 3.6       | 69.7       |            |
| PHF          | .607     | .890       | .666      | .857       | .938     | .460      | .404      | .460      | .690      | .684       | 1.000 | .686       | .640      | .313      | .677       | .640       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 17PLAKRMAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

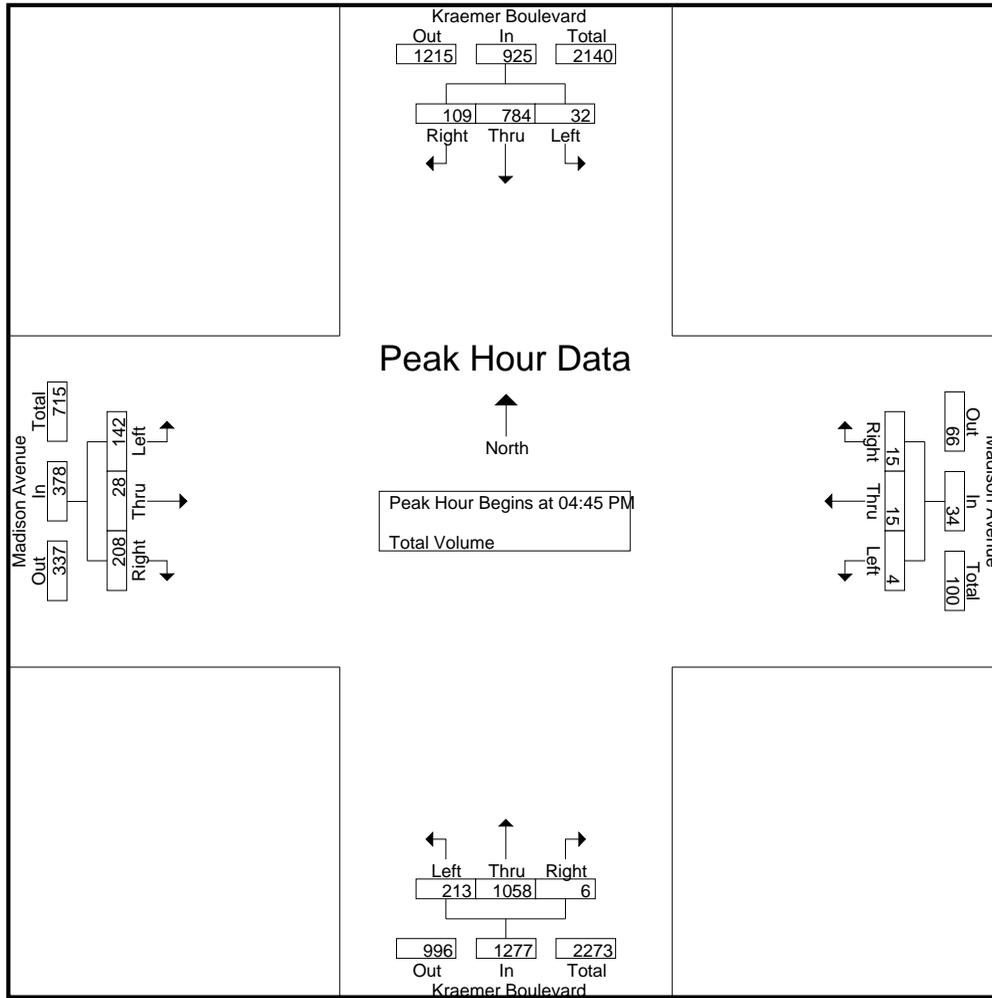
| Start Time  | Kraemer Boulevard Southbound |      |       |            | Madison Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Madison Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 10                           | 189  | 18    | 217        | 2                        | 1    | 4     | 7          | 35                           | 240  | 0     | 275        | 41                       | 6    | 52    | 99         | 598        |
| 04:15 PM    | 5                            | 185  | 12    | 202        | 0                        | 2    | 4     | 6          | 25                           | 229  | 1     | 255        | 28                       | 7    | 51    | 86         | 549        |
| 04:30 PM    | 6                            | 177  | 26    | 209        | 5                        | 1    | 2     | 8          | 39                           | 227  | 2     | 268        | 36                       | 4    | 55    | 95         | 580        |
| 04:45 PM    | 7                            | 202  | 21    | 230        | 1                        | 1    | 6     | 8          | 42                           | 256  | 1     | 299        | 34                       | 9    | 40    | 83         | 620        |
| Total       | 28                           | 753  | 77    | 858        | 8                        | 5    | 16    | 29         | 141                          | 952  | 4     | 1097       | 139                      | 26   | 198   | 363        | 2347       |
| 05:00 PM    | 9                            | 195  | 20    | 224        | 1                        | 4    | 0     | 5          | 49                           | 275  | 1     | 325        | 40                       | 3    | 49    | 92         | 646        |
| 05:15 PM    | 9                            | 202  | 30    | 241        | 1                        | 3    | 7     | 11         | 58                           | 268  | 2     | 328        | 35                       | 12   | 51    | 98         | 678        |
| 05:30 PM    | 7                            | 185  | 38    | 230        | 1                        | 7    | 2     | 10         | 64                           | 259  | 2     | 325        | 33                       | 4    | 68    | 105        | 670        |
| 05:45 PM    | 6                            | 176  | 32    | 214        | 1                        | 6    | 5     | 12         | 52                           | 237  | 1     | 290        | 24                       | 6    | 52    | 82         | 598        |
| Total       | 31                           | 758  | 120   | 909        | 4                        | 20   | 14    | 38         | 223                          | 1039 | 6     | 1268       | 132                      | 25   | 220   | 377        | 2592       |
| Grand Total | 59                           | 1511 | 197   | 1767       | 12                       | 25   | 30    | 67         | 364                          | 1991 | 10    | 2365       | 271                      | 51   | 418   | 740        | 4939       |
| Apprch %    | 3.3                          | 85.5 | 11.1  |            | 17.9                     | 37.3 | 44.8  |            | 15.4                         | 84.2 | 0.4   |            | 36.6                     | 6.9  | 56.5  |            |            |
| Total %     | 1.2                          | 30.6 | 4     | 35.8       | 0.2                      | 0.5  | 0.6   | 1.4        | 7.4                          | 40.3 | 0.2   | 47.9       | 5.5                      | 1    | 8.5   | 15         |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Madison Avenue Westbound |          |          |            | Kraemer Boulevard Northbound |            |          |            | Madison Avenue Eastbound |           |           |            | Int. Total |
|--------------|------------------------------|------------|-----------|------------|--------------------------|----------|----------|------------|------------------------------|------------|----------|------------|--------------------------|-----------|-----------|------------|------------|
|              | Left                         | Thru       | Right     | App. Total | Left                     | Thru     | Right    | App. Total | Left                         | Thru       | Right    | App. Total | Left                     | Thru      | Right     | App. Total |            |
| 04:45 PM     | 7                            | <b>202</b> | 21        | 230        | 1                        | 1        | 6        | 8          | 42                           | 256        | 1        | 299        | 34                       | 9         | 40        | 83         | 620        |
| 05:00 PM     | <b>9</b>                     | 195        | 20        | 224        | 1                        | 4        | 0        | 5          | 49                           | <b>275</b> | 1        | 325        | <b>40</b>                | 3         | 49        | 92         | 646        |
| 05:15 PM     | 9                            | 202        | 30        | <b>241</b> | 1                        | 3        | <b>7</b> | <b>11</b>  | 58                           | 268        | <b>2</b> | <b>328</b> | 35                       | <b>12</b> | 51        | 98         | <b>678</b> |
| 05:30 PM     | 7                            | 185        | <b>38</b> | 230        | 1                        | <b>7</b> | 2        | 10         | <b>64</b>                    | 259        | 2        | 325        | 33                       | 4         | <b>68</b> | <b>105</b> | 670        |
| Total Volume | 32                           | 784        | 109       | 925        | 4                        | 15       | 15       | 34         | 213                          | 1058       | 6        | 1277       | 142                      | 28        | 208       | 378        | 2614       |
| % App. Total | 3.5                          | 84.8       | 11.8      |            | 11.8                     | 44.1     | 44.1     |            | 16.7                         | 82.9       | 0.5      |            | 37.6                     | 7.4       | 55        |            |            |
| PHF          | .889                         | .970       | .717      | .960       | 1.00                     | .536     | .536     | .773       | .832                         | .962       | .750     | .973       | .888                     | .583      | .765      | .900       | .964       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Madison Avenue  
 Weather: Clear

File Name : 17PLAKRMAPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM |            |           |            | 05:00 PM |          |          |           | 04:45 PM  |            |          |            | 04:45 PM  |           |           |            |
|--------------|----------|------------|-----------|------------|----------|----------|----------|-----------|-----------|------------|----------|------------|-----------|-----------|-----------|------------|
| +0 mins.     | 7        | <b>202</b> | 21        | 230        | 1        | 4        | 0        | 5         | 42        | 256        | 1        | 299        | 34        | 9         | 40        | 83         |
| +15 mins.    | <b>9</b> | 195        | 20        | 224        | 1        | 3        | <b>7</b> | 11        | 49        | <b>275</b> | 1        | 325        | <b>40</b> | 3         | 49        | 92         |
| +30 mins.    | 9        | 202        | 30        | <b>241</b> | 1        | <b>7</b> | 2        | 10        | 58        | 268        | <b>2</b> | <b>328</b> | 35        | <b>12</b> | 51        | 98         |
| +45 mins.    | 7        | 185        | <b>38</b> | 230        | 1        | 6        | 5        | <b>12</b> | <b>64</b> | 259        | 2        | 325        | 33        | 4         | <b>68</b> | <b>105</b> |
| Total Volume | 32       | 784        | 109       | 925        | 4        | 20       | 14       | 38        | 213       | 1058       | 6        | 1277       | 142       | 28        | 208       | 378        |
| % App. Total | 3.5      | 84.8       | 11.8      |            | 10.5     | 52.6     | 36.8     |           | 16.7      | 82.9       | 0.5      |            | 37.6      | 7.4       | 55        |            |
| PHF          | .889     | .970       | .717      | .960       | 1.000    | .714     | .500     | .792      | .832      | .962       | .750     | .973       | .888      | .583      | .765      | .900       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Buena Vista Avenue  
 Weather: Clear

File Name : 18PLAROBVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

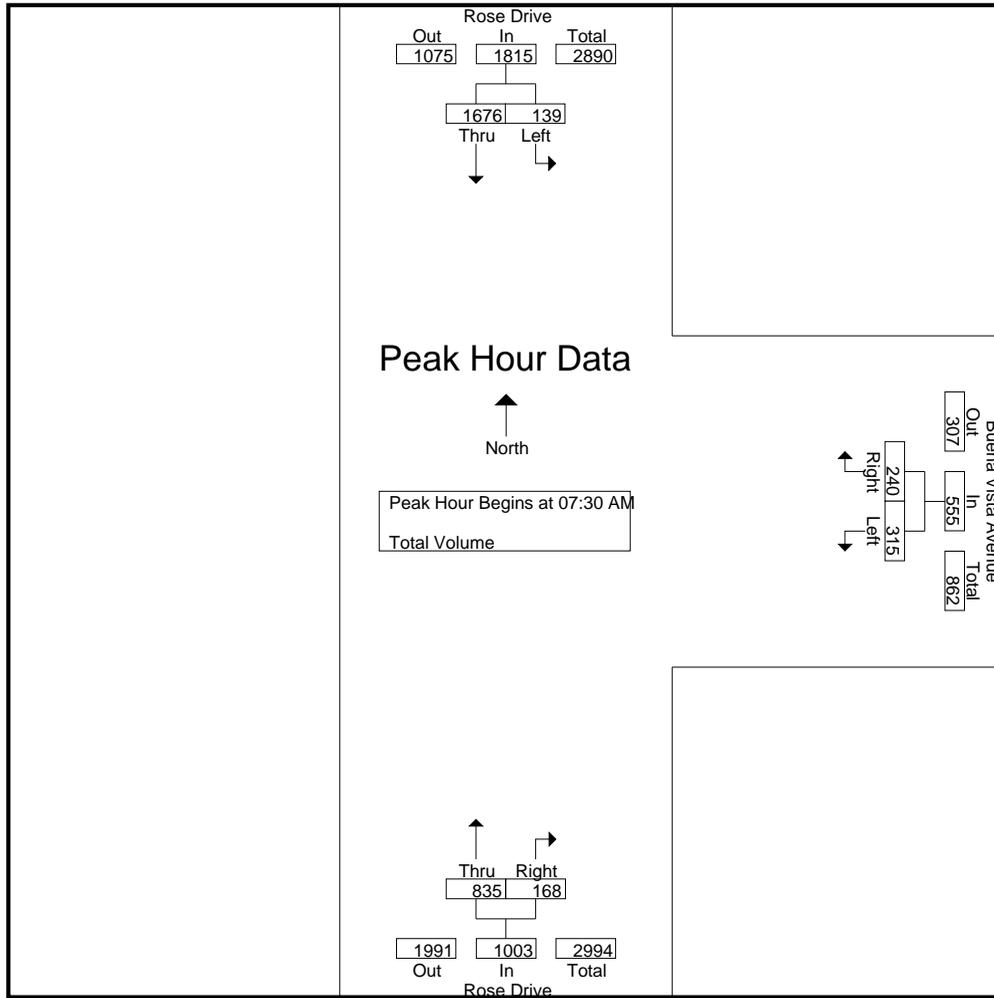
| Start Time  | Rose Drive Southbound |      |            | Buena Vista Avenue Westbound |       |            | Rose Drive Northbound |       |            | Int. Total |
|-------------|-----------------------|------|------------|------------------------------|-------|------------|-----------------------|-------|------------|------------|
|             | Left                  | Thru | App. Total | Left                         | Right | App. Total | Thru                  | Right | App. Total |            |
| 07:00 AM    | 15                    | 321  | 336        | 56                           | 34    | 90         | 107                   | 13    | 120        | 546        |
| 07:15 AM    | 22                    | 347  | 369        | 65                           | 47    | 112        | 159                   | 29    | 188        | 669        |
| 07:30 AM    | 36                    | 432  | 468        | 104                          | 85    | 189        | 240                   | 69    | 309        | 966        |
| 07:45 AM    | 45                    | 479  | 524        | 101                          | 64    | 165        | 251                   | 36    | 287        | 976        |
| Total       | 118                   | 1579 | 1697       | 326                          | 230   | 556        | 757                   | 147   | 904        | 3157       |
| 08:00 AM    | 31                    | 386  | 417        | 56                           | 46    | 102        | 166                   | 35    | 201        | 720        |
| 08:15 AM    | 27                    | 379  | 406        | 54                           | 45    | 99         | 178                   | 28    | 206        | 711        |
| 08:30 AM    | 11                    | 329  | 340        | 56                           | 45    | 101        | 164                   | 33    | 197        | 638        |
| 08:45 AM    | 21                    | 294  | 315        | 40                           | 60    | 100        | 176                   | 31    | 207        | 622        |
| Total       | 90                    | 1388 | 1478       | 206                          | 196   | 402        | 684                   | 127   | 811        | 2691       |
| Grand Total | 208                   | 2967 | 3175       | 532                          | 426   | 958        | 1441                  | 274   | 1715       | 5848       |
| Apprch %    | 6.6                   | 93.4 |            | 55.5                         | 44.5  |            | 84                    | 16    |            |            |
| Total %     | 3.6                   | 50.7 | 54.3       | 9.1                          | 7.3   | 16.4       | 24.6                  | 4.7   | 29.3       |            |

| Start Time   | Rose Drive Southbound |            |            | Buena Vista Avenue Westbound |           |            | Rose Drive Northbound |           |            | Int. Total |
|--------------|-----------------------|------------|------------|------------------------------|-----------|------------|-----------------------|-----------|------------|------------|
|              | Left                  | Thru       | App. Total | Left                         | Right     | App. Total | Thru                  | Right     | App. Total |            |
| 07:30 AM     | 36                    | 432        | 468        | <b>104</b>                   | <b>85</b> | <b>189</b> | 240                   | <b>69</b> | <b>309</b> | 966        |
| 07:45 AM     | <b>45</b>             | <b>479</b> | <b>524</b> | 101                          | 64        | 165        | <b>251</b>            | 36        | 287        | <b>976</b> |
| 08:00 AM     | 31                    | 386        | 417        | 56                           | 46        | 102        | 166                   | 35        | 201        | 720        |
| 08:15 AM     | 27                    | 379        | 406        | 54                           | 45        | 99         | 178                   | 28        | 206        | 711        |
| Total Volume | 139                   | 1676       | 1815       | 315                          | 240       | 555        | 835                   | 168       | 1003       | 3373       |
| % App. Total | 7.7                   | 92.3       |            | 56.8                         | 43.2      |            | 83.3                  | 16.7      |            |            |
| PHF          | .772                  | .875       | .866       | .757                         | .706      | .734       | .832                  | .609      | .811       | .864       |

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:30 AM

City of Placentia  
 N/S: Rose Drive  
 E/W: Buena Vista Avenue  
 Weather: Clear

File Name : 18PLAROBVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |            |            | 07:15 AM   |           |            | 07:30 AM   |           |            |
|--------------|-----------|------------|------------|------------|-----------|------------|------------|-----------|------------|
| +0 mins.     | 36        | 432        | 468        | 65         | 47        | 112        | 240        | <b>69</b> | <b>309</b> |
| +15 mins.    | <b>45</b> | <b>479</b> | <b>524</b> | <b>104</b> | <b>85</b> | <b>189</b> | <b>251</b> | 36        | 287        |
| +30 mins.    | 31        | 386        | 417        | 101        | 64        | 165        | 166        | 35        | 201        |
| +45 mins.    | 27        | 379        | 406        | 56         | 46        | 102        | 178        | 28        | 206        |
| Total Volume | 139       | 1676       | 1815       | 326        | 242       | 568        | 835        | 168       | 1003       |
| % App. Total | 7.7       | 92.3       |            | 57.4       | 42.6      |            | 83.3       | 16.7      |            |
| PHF          | .772      | .875       | .866       | .784       | .712      | .751       | .832       | .609      | .811       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Buena Vista Avenue  
 Weather: Clear

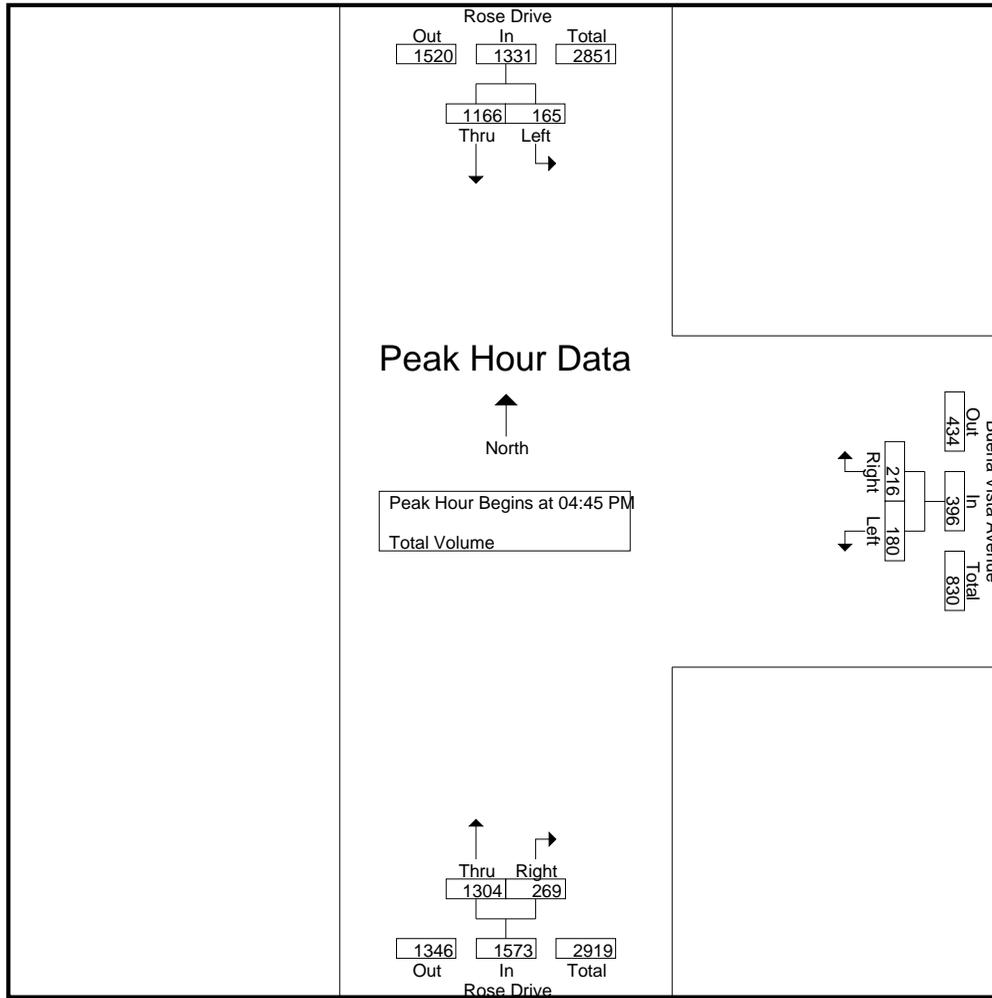
File Name : 18PLAROBVPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |            | Buena Vista Avenue Westbound |       |            | Rose Drive Northbound |       |            | Int. Total |
|-------------|-----------------------|------|------------|------------------------------|-------|------------|-----------------------|-------|------------|------------|
|             | Left                  | Thru | App. Total | Left                         | Right | App. Total | Thru                  | Right | App. Total |            |
| 04:00 PM    | 30                    | 292  | 322        | 37                           | 54    | 91         | 268                   | 53    | 321        | 734        |
| 04:15 PM    | 39                    | 277  | 316        | 27                           | 40    | 67         | 265                   | 67    | 332        | 715        |
| 04:30 PM    | 43                    | 284  | 327        | 45                           | 46    | 91         | 303                   | 57    | 360        | 778        |
| 04:45 PM    | 41                    | 307  | 348        | 41                           | 53    | 94         | 324                   | 63    | 387        | 829        |
| Total       | 153                   | 1160 | 1313       | 150                          | 193   | 343        | 1160                  | 240   | 1400       | 3056       |
| 05:00 PM    | 44                    | 296  | 340        | 40                           | 61    | 101        | 353                   | 65    | 418        | 859        |
| 05:15 PM    | 49                    | 298  | 347        | 46                           | 49    | 95         | 305                   | 72    | 377        | 819        |
| 05:30 PM    | 31                    | 265  | 296        | 53                           | 53    | 106        | 322                   | 69    | 391        | 793        |
| 05:45 PM    | 51                    | 250  | 301        | 45                           | 42    | 87         | 309                   | 66    | 375        | 763        |
| Total       | 175                   | 1109 | 1284       | 184                          | 205   | 389        | 1289                  | 272   | 1561       | 3234       |
| Grand Total | 328                   | 2269 | 2597       | 334                          | 398   | 732        | 2449                  | 512   | 2961       | 6290       |
| Apprch %    | 12.6                  | 87.4 |            | 45.6                         | 54.4  |            | 82.7                  | 17.3  |            |            |
| Total %     | 5.2                   | 36.1 | 41.3       | 5.3                          | 6.3   | 11.6       | 38.9                  | 8.1   | 47.1       |            |

| Start Time   | Rose Drive Southbound |            |            | Buena Vista Avenue Westbound |           |            | Rose Drive Northbound |           |            | Int. Total |
|--------------|-----------------------|------------|------------|------------------------------|-----------|------------|-----------------------|-----------|------------|------------|
|              | Left                  | Thru       | App. Total | Left                         | Right     | App. Total | Thru                  | Right     | App. Total |            |
| 04:45 PM     | 41                    | <b>307</b> | <b>348</b> | 41                           | 53        | 94         | 324                   | 63        | 387        | 829        |
| 05:00 PM     | 44                    | 296        | 340        | 40                           | <b>61</b> | 101        | <b>353</b>            | 65        | <b>418</b> | <b>859</b> |
| 05:15 PM     | <b>49</b>             | 298        | 347        | 46                           | 49        | 95         | 305                   | <b>72</b> | 377        | 819        |
| 05:30 PM     | 31                    | 265        | 296        | <b>53</b>                    | 53        | <b>106</b> | 322                   | 69        | 391        | 793        |
| Total Volume | 165                   | 1166       | 1331       | 180                          | 216       | 396        | 1304                  | 269       | 1573       | 3300       |
| % App. Total | 12.4                  | 87.6       |            | 45.5                         | 54.5      |            | 82.9                  | 17.1      |            |            |
| PHF          | .842                  | .950       | .956       | .849                         | .885      | .934       | .924                  | .934      | .941       | .960       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |            |            | 04:45 PM  |           |            | 04:45 PM   |           |            |
|--------------|-----------|------------|------------|-----------|-----------|------------|------------|-----------|------------|
| +0 mins.     | 43        | 284        | 327        | 41        | 53        | 94         | 324        | 63        | 387        |
| +15 mins.    | 41        | <b>307</b> | <b>348</b> | 40        | <b>61</b> | 101        | <b>353</b> | 65        | <b>418</b> |
| +30 mins.    | 44        | 296        | 340        | 46        | 49        | 95         | 305        | <b>72</b> | 377        |
| +45 mins.    | <b>49</b> | 298        | 347        | <b>53</b> | 53        | <b>106</b> | 322        | 69        | 391        |
| Total Volume | 177       | 1185       | 1362       | 180       | 216       | 396        | 1304       | 269       | 1573       |
| % App. Total | 13        | 87         |            | 45.5      | 54.5      |            | 82.9       | 17.1      |            |
| PHF          | .903      | .965       | .978       | .849      | .885      | .934       | .924       | .934      | .941       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Nutwood Avenue / Primrose Avenue  
 Weather: Clear

File Name : 19PLAPLNUAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

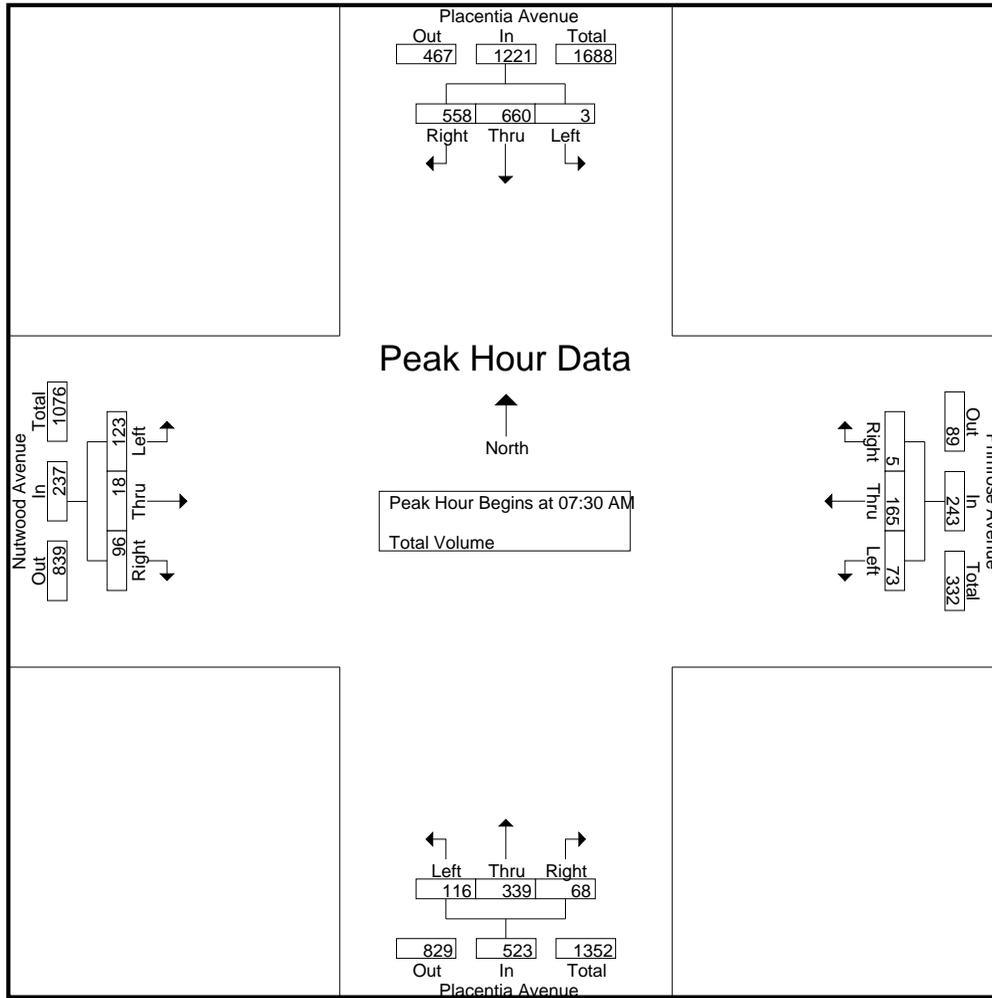
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Primrose Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Nutwood Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 0                           | 154  | 93    | 247        | 5                         | 10   | 0     | 15         | 20                          | 47   | 0     | 67         | 30                       | 3    | 22    | 55         | 384        |
| 07:15 AM    | 1                           | 164  | 123   | 288        | 7                         | 16   | 4     | 27         | 21                          | 68   | 6     | 95         | 21                       | 6    | 15    | 42         | 452        |
| 07:30 AM    | 1                           | 165  | 150   | 316        | 27                        | 51   | 3     | 81         | 36                          | 102  | 33    | 171        | 24                       | 5    | 18    | 47         | 615        |
| 07:45 AM    | 0                           | 209  | 151   | 360        | 29                        | 55   | 1     | 85         | 24                          | 87   | 18    | 129        | 24                       | 3    | 24    | 51         | 625        |
| Total       | 2                           | 692  | 517   | 1211       | 68                        | 132  | 8     | 208        | 101                         | 304  | 57    | 462        | 99                       | 17   | 79    | 195        | 2076       |
| 08:00 AM    | 2                           | 142  | 145   | 289        | 13                        | 31   | 1     | 45         | 29                          | 74   | 11    | 114        | 30                       | 5    | 26    | 61         | 509        |
| 08:15 AM    | 0                           | 144  | 112   | 256        | 4                         | 28   | 0     | 32         | 27                          | 76   | 6     | 109        | 45                       | 5    | 28    | 78         | 475        |
| 08:30 AM    | 0                           | 109  | 95    | 204        | 8                         | 11   | 0     | 19         | 21                          | 78   | 4     | 103        | 38                       | 6    | 26    | 70         | 396        |
| 08:45 AM    | 1                           | 97   | 84    | 182        | 7                         | 12   | 1     | 20         | 14                          | 70   | 2     | 86         | 38                       | 3    | 23    | 64         | 352        |
| Total       | 3                           | 492  | 436   | 931        | 32                        | 82   | 2     | 116        | 91                          | 298  | 23    | 412        | 151                      | 19   | 103   | 273        | 1732       |
| Grand Total | 5                           | 1184 | 953   | 2142       | 100                       | 214  | 10    | 324        | 192                         | 602  | 80    | 874        | 250                      | 36   | 182   | 468        | 3808       |
| Apprch %    | 0.2                         | 55.3 | 44.5  |            | 30.9                      | 66   | 3.1   |            | 22                          | 68.9 | 9.2   |            | 53.4                     | 7.7  | 38.9  |            |            |
| Total %     | 0.1                         | 31.1 | 25    | 56.2       | 2.6                       | 5.6  | 0.3   | 8.5        | 5                           | 15.8 | 2.1   | 23         | 6.6                      | 0.9  | 4.8   | 12.3       |            |

| Start Time   | Placentia Avenue Southbound |      |       |            | Primrose Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Nutwood Avenue Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |            |                           |      |       |            |                             |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |      |       |            |                           |      |       |            |                             |      |       |            |                          |      |       |            |            |
| 07:30 AM   | 1                           | 165  | 150   | 316        | 27                        | 51   | 3     | 81         | 36                          | 102  | 33    | 171        | 24                       | 5    | 18    | 47         | 615        |
| 07:45 AM   | 0                           | 209  | 151   | 360        | 29                        | 55   | 1     | 85         | 24                          | 87   | 18    | 129        | 24                       | 3    | 24    | 51         | 625        |
| 08:00 AM   | 2                           | 142  | 145   | 289        | 13                        | 31   | 1     | 45         | 29                          | 74   | 11    | 114        | 30                       | 5    | 26    | 61         | 509        |
| 08:15 AM   | 0                           | 144  | 112   | 256        | 4                         | 28   | 0     | 32         | 27                          | 76   | 6     | 109        | 45                       | 5    | 28    | 78         | 475        |
| Total Volume   | 3                           | 660  | 558   | 1221       | 73                        | 165  | 5     | 243        | 116                         | 339  | 68    | 523        | 123                      | 18   | 96    | 237        | 2224       |
| % App. Total   | 0.2                         | 54.1 | 45.7  |            | 30                        | 67.9 | 2.1   |            | 22.2                        | 64.8 | 13    |            | 51.9                     | 7.6  | 40.5  |            |            |
| PHF  | .375                        | .789 | .924  | .848       | .629                      | .750 | .417  | .715       | .806                        | .831 | .515  | .765       | .683                     | .900 | .857  | .760       | .890       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Nutwood Avenue / Primrose Avenue  
 Weather: Clear

File Name : 19PLAPLNUAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |            |            |            | 07:30 AM  |           |      |           | 07:30 AM  |            |           |            | 08:00 AM  |          |           |           |
|--------------|----------|------------|------------|------------|-----------|-----------|------|-----------|-----------|------------|-----------|------------|-----------|----------|-----------|-----------|
| +0 mins.     | 1        | 164        | 123        | 288        | 27        | 51        | 3    | 81        | <b>36</b> | <b>102</b> | <b>33</b> | <b>171</b> | 30        | 5        | 26        | 61        |
| +15 mins.    | 1        | 165        | 150        | 316        | <b>29</b> | <b>55</b> | 1    | <b>85</b> | 24        | 87         | 18        | 129        | <b>45</b> | 5        | <b>28</b> | <b>78</b> |
| +30 mins.    | 0        | <b>209</b> | <b>151</b> | <b>360</b> | 13        | 31        | 1    | 45        | 29        | 74         | 11        | 114        | 38        | <b>6</b> | 26        | 70        |
| +45 mins.    | <b>2</b> | 142        | 145        | 289        | 4         | 28        | 0    | 32        | 27        | 76         | 6         | 109        | 38        | 3        | 23        | 64        |
| Total Volume | 4        | 680        | 569        | 1253       | 73        | 165       | 5    | 243       | 116       | 339        | 68        | 523        | 151       | 19       | 103       | 273       |
| % App. Total | 0.3      | 54.3       | 45.4       |            | 30        | 67.9      | 2.1  |           | 22.2      | 64.8       | 13        |            | 55.3      | 7        | 37.7      |           |
| PHF          | .500     | .813       | .942       | .870       | .629      | .750      | .417 | .715      | .806      | .831       | .515      | .765       | .839      | .792     | .920      | .875      |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Nutwood Avenue / Primrose Avenue  
 Weather: Clear

File Name : 19PLAPLNUPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

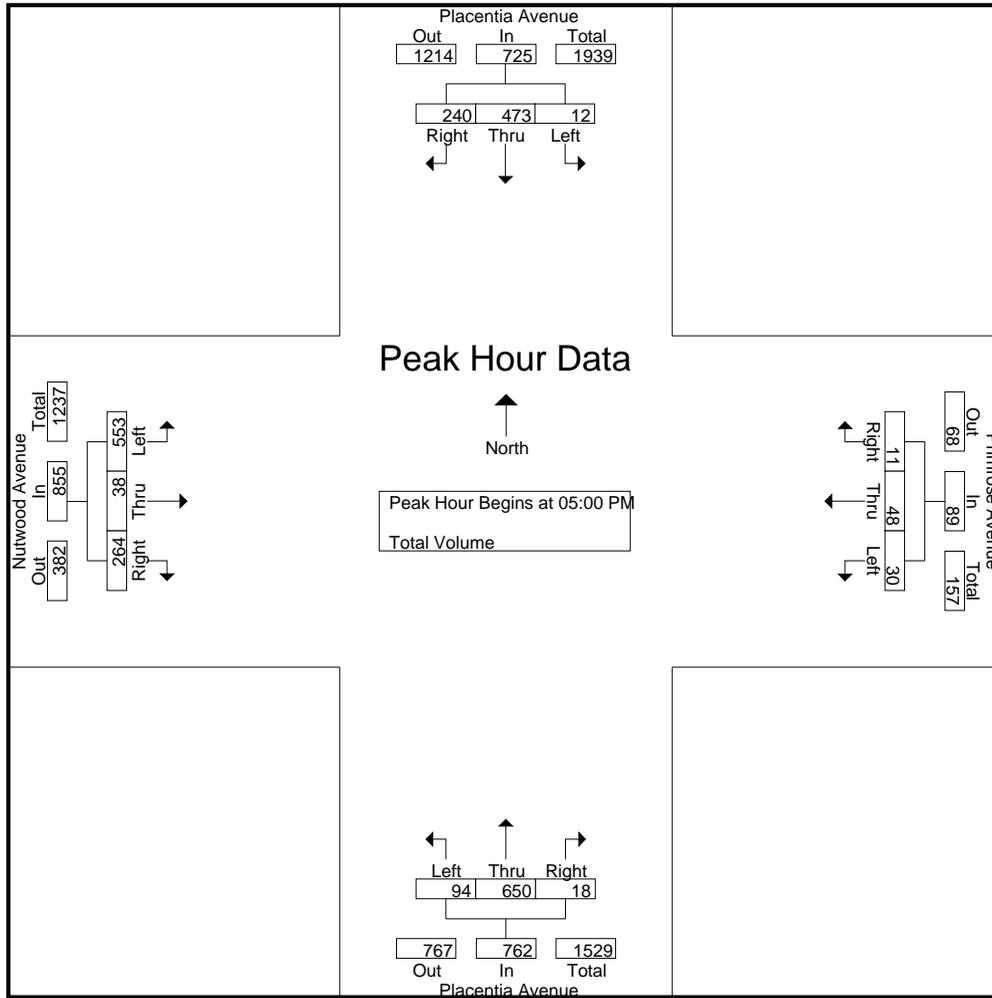
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Primrose Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Nutwood Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 2                           | 135  | 43    | 180        | 5                         | 12   | 2     | 19         | 23                          | 170  | 8     | 201        | 87                       | 10   | 67    | 164        | 564        |
| 04:15 PM    | 1                           | 152  | 56    | 209        | 6                         | 8    | 1     | 15         | 25                          | 132  | 2     | 159        | 111                      | 14   | 47    | 172        | 555        |
| 04:30 PM    | 0                           | 129  | 72    | 201        | 2                         | 9    | 2     | 13         | 27                          | 142  | 3     | 172        | 102                      | 9    | 35    | 146        | 532        |
| 04:45 PM    | 4                           | 118  | 70    | 192        | 8                         | 10   | 4     | 22         | 30                          | 163  | 6     | 199        | 120                      | 10   | 56    | 186        | 599        |
| Total       | 7                           | 534  | 241   | 782        | 21                        | 39   | 9     | 69         | 105                         | 607  | 19    | 731        | 420                      | 43   | 205   | 668        | 2250       |
| 05:00 PM    | 1                           | 113  | 77    | 191        | 4                         | 14   | 2     | 20         | 24                          | 152  | 6     | 182        | 119                      | 9    | 51    | 179        | 572        |
| 05:15 PM    | 6                           | 93   | 43    | 142        | 8                         | 8    | 2     | 18         | 30                          | 187  | 6     | 223        | 148                      | 11   | 67    | 226        | 609        |
| 05:30 PM    | 1                           | 130  | 60    | 191        | 7                         | 15   | 3     | 25         | 20                          | 150  | 4     | 174        | 144                      | 10   | 84    | 238        | 628        |
| 05:45 PM    | 4                           | 137  | 60    | 201        | 11                        | 11   | 4     | 26         | 20                          | 161  | 2     | 183        | 142                      | 8    | 62    | 212        | 622        |
| Total       | 12                          | 473  | 240   | 725        | 30                        | 48   | 11    | 89         | 94                          | 650  | 18    | 762        | 553                      | 38   | 264   | 855        | 2431       |
| Grand Total | 19                          | 1007 | 481   | 1507       | 51                        | 87   | 20    | 158        | 199                         | 1257 | 37    | 1493       | 973                      | 81   | 469   | 1523       | 4681       |
| Apprch %    | 1.3                         | 66.8 | 31.9  |            | 32.3                      | 55.1 | 12.7  |            | 13.3                        | 84.2 | 2.5   |            | 63.9                     | 5.3  | 30.8  |            |            |
| Total %     | 0.4                         | 21.5 | 10.3  | 32.2       | 1.1                       | 1.9  | 0.4   | 3.4        | 4.3                         | 26.9 | 0.8   | 31.9       | 20.8                     | 1.7  | 10    | 32.5       |            |

| Start Time   | Placentia Avenue Southbound |            |           |            | Primrose Avenue Westbound |           |          |            | Placentia Avenue Northbound |            |          |            | Nutwood Avenue Eastbound |           |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|---------------------------|-----------|----------|------------|-----------------------------|------------|----------|------------|--------------------------|-----------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                      | Thru      | Right    | App. Total | Left                        | Thru       | Right    | App. Total | Left                     | Thru      | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |            |           |            |                           |           |          |            |                             |            |          |            |                          |           |           |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                             |            |           |            |                           |           |          |            |                             |            |          |            |                          |           |           |            |            |
| 05:00 PM   | 1                           | 113        | <b>77</b> | 191        | 4                         | 14        | 2        | 20         | 24                          | 152        | <b>6</b> | 182        | 119                      | 9         | 51        | 179        | 572        |
| 05:15 PM   | <b>6</b>                    | 93         | 43        | 142        | 8                         | 8         | 2        | 18         | <b>30</b>                   | <b>187</b> | 6        | <b>223</b> | <b>148</b>               | <b>11</b> | 67        | 226        | 609        |
| 05:30 PM   | 1                           | 130        | 60        | 191        | 7                         | <b>15</b> | 3        | 25         | 20                          | 150        | 4        | 174        | 144                      | 10        | <b>84</b> | <b>238</b> | <b>628</b> |
| 05:45 PM   | 4                           | <b>137</b> | 60        | <b>201</b> | <b>11</b>                 | 11        | <b>4</b> | <b>26</b>  | 20                          | 161        | 2        | 183        | 142                      | 8         | 62        | 212        | <b>622</b> |
| Total Volume   | 12                          | 473        | 240       | 725        | 30                        | 48        | 11       | 89         | 94                          | 650        | 18       | 762        | 553                      | 38        | 264       | 855        | 2431       |
| % App. Total   | 1.7                         | 65.2       | 33.1      |            | 33.7                      | 53.9      | 12.4     |            | 12.3                        | 85.3       | 2.4      |            | 64.7                     | 4.4       | 30.9      |            |            |
| PHF  | .500                        | .863       | .779      | .902       | .682                      | .800      | .688     | .856       | .783                        | .869       | .750     | .854       | .934                     | .864      | .786      | .898       | .968       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Nutwood Avenue / Primrose Avenue  
 Weather: Clear

File Name : 19PLAPLNUPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM |            |           |            | 05:00 PM  |           |          |           | 04:45 PM  |            |          |            | 05:00 PM   |           |           |            |
|--------------|----------|------------|-----------|------------|-----------|-----------|----------|-----------|-----------|------------|----------|------------|------------|-----------|-----------|------------|
| +0 mins.     | 1        | <b>152</b> | 56        | <b>209</b> | 4         | 14        | 2        | 20        | <b>30</b> | 163        | <b>6</b> | 199        | 119        | 9         | 51        | 179        |
| +15 mins.    | 0        | 129        | 72        | 201        | 8         | 8         | 2        | 18        | 24        | 152        | 6        | 182        | <b>148</b> | <b>11</b> | 67        | 226        |
| +30 mins.    | <b>4</b> | 118        | 70        | 192        | 7         | <b>15</b> | 3        | 25        | 30        | <b>187</b> | 6        | <b>223</b> | 144        | 10        | <b>84</b> | <b>238</b> |
| +45 mins.    | 1        | 113        | <b>77</b> | 191        | <b>11</b> | 11        | <b>4</b> | <b>26</b> | 20        | 150        | 4        | 174        | 142        | 8         | 62        | 212        |
| Total Volume | 6        | 512        | 275       | 793        | 30        | 48        | 11       | 89        | 104       | 652        | 22       | 778        | 553        | 38        | 264       | 855        |
| % App. Total | 0.8      | 64.6       | 34.7      |            | 33.7      | 53.9      | 12.4     |           | 13.4      | 83.8       | 2.8      |            | 64.7       | 4.4       | 30.9      |            |
| PHF          | .375     | .842       | .893      | .949       | .682      | .800      | .688     | .856      | .867      | .872       | .917     | .872       | .934       | .864      | .786      | .898       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 20PLAKRAVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

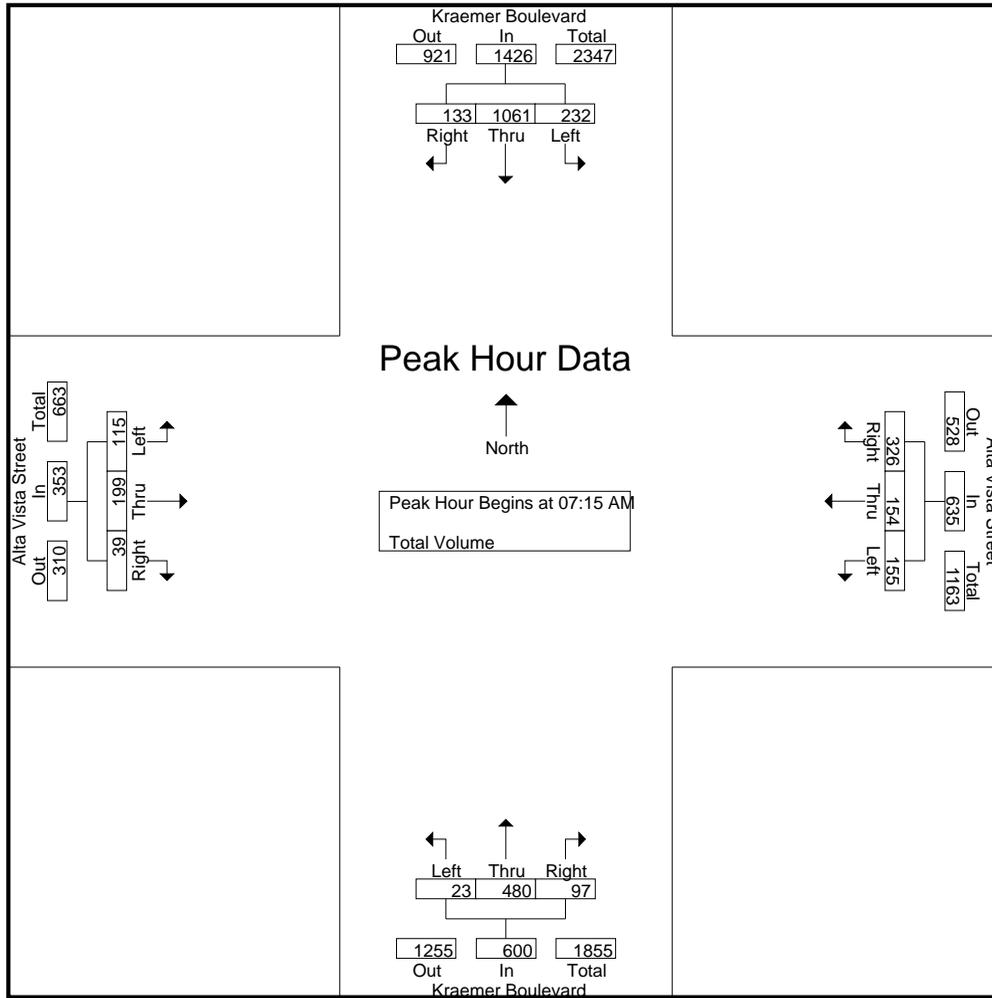
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 07:00 AM    | 30                           | 192  | 6     | 228        | 43                          | 13   | 51    | 107        | 1                            | 64   | 12    | 77         | 10                          | 8    | 3     | 21         | 433        |
| 07:15 AM    | 34                           | 219  | 27    | 280        | 47                          | 56   | 74    | 177        | 3                            | 79   | 23    | 105        | 21                          | 28   | 8     | 57         | 619        |
| 07:30 AM    | 66                           | 288  | 53    | 407        | 32                          | 48   | 109   | 189        | 7                            | 195  | 20    | 222        | 34                          | 66   | 13    | 113        | 931        |
| 07:45 AM    | 78                           | 330  | 28    | 436        | 40                          | 33   | 78    | 151        | 10                           | 108  | 30    | 148        | 40                          | 87   | 15    | 142        | 877        |
| Total       | 208                          | 1029 | 114   | 1351       | 162                         | 150  | 312   | 624        | 21                           | 446  | 85    | 552        | 105                         | 189  | 39    | 333        | 2860       |
| 08:00 AM    | 54                           | 224  | 25    | 303        | 36                          | 17   | 65    | 118        | 3                            | 98   | 24    | 125        | 20                          | 18   | 3     | 41         | 587        |
| 08:15 AM    | 55                           | 196  | 19    | 270        | 41                          | 42   | 67    | 150        | 5                            | 90   | 21    | 116        | 19                          | 28   | 10    | 57         | 593        |
| 08:30 AM    | 38                           | 185  | 46    | 269        | 39                          | 59   | 61    | 159        | 4                            | 94   | 25    | 123        | 31                          | 43   | 8     | 82         | 633        |
| 08:45 AM    | 48                           | 167  | 20    | 235        | 49                          | 24   | 59    | 132        | 1                            | 92   | 22    | 115        | 37                          | 38   | 8     | 83         | 565        |
| Total       | 195                          | 772  | 110   | 1077       | 165                         | 142  | 252   | 559        | 13                           | 374  | 92    | 479        | 107                         | 127  | 29    | 263        | 2378       |
| Grand Total | 403                          | 1801 | 224   | 2428       | 327                         | 292  | 564   | 1183       | 34                           | 820  | 177   | 1031       | 212                         | 316  | 68    | 596        | 5238       |
| Apprch %    | 16.6                         | 74.2 | 9.2   |            | 27.6                        | 24.7 | 47.7  |            | 3.3                          | 79.5 | 17.2  |            | 35.6                        | 53   | 11.4  |            |            |
| Total %     | 7.7                          | 34.4 | 4.3   | 46.4       | 6.2                         | 5.6  | 10.8  | 22.6       | 0.6                          | 15.7 | 3.4   | 19.7       | 4                           | 6    | 1.3   | 11.4       |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Alta Vista Street Westbound |           |            |            | Kraemer Boulevard Northbound |            |           |            | Alta Vista Street Eastbound |           |           |            | Int. Total |
|--|------------------------------|------------|-----------|------------|-----------------------------|-----------|------------|------------|------------------------------|------------|-----------|------------|-----------------------------|-----------|-----------|------------|------------|
|  | Left                         | Thru       | Right     | App. Total | Left                        | Thru      | Right      | App. Total | Left                         | Thru       | Right     | App. Total | Left                        | Thru      | Right     | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |            |           |            |                             |           |            |            |                              |            |           |            |                             |           |           |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                              |            |           |            |                             |           |            |            |                              |            |           |            |                             |           |           |            |            |
| 07:15 AM   | 34                           | 219        | 27        | 280        | <b>47</b>                   | <b>56</b> | 74         | 177        | 3                            | 79         | 23        | 105        | 21                          | 28        | 8         | 57         | 619        |
| 07:30 AM   | 66                           | 288        | <b>53</b> | 407        | 32                          | 48        | <b>109</b> | <b>189</b> | 7                            | <b>195</b> | 20        | <b>222</b> | 34                          | 66        | 13        | 113        | <b>931</b> |
| 07:45 AM   | <b>78</b>                    | <b>330</b> | 28        | <b>436</b> | 40                          | 33        | 78         | 151        | <b>10</b>                    | 108        | <b>30</b> | 148        | <b>40</b>                   | <b>87</b> | <b>15</b> | <b>142</b> | 877        |
| 08:00 AM   | 54                           | 224        | 25        | 303        | 36                          | 17        | 65         | 118        | 3                            | 98         | 24        | 125        | 20                          | 18        | 3         | 41         | 587        |
| Total Volume   | 232                          | 1061       | 133       | 1426       | 155                         | 154       | 326        | 635        | 23                           | 480        | 97        | 600        | 115                         | 199       | 39        | 353        | 3014       |
| % App. Total   | 16.3                         | 74.4       | 9.3       |            | 24.4                        | 24.3      | 51.3       |            | 3.8                          | 80         | 16.2      |            | 32.6                        | 56.4      | 11        |            |            |
| PHF  | .744                         | .804       | .627      | .818       | .824                        | .688      | .748       | .840       | .575                         | .615       | .808      | .676       | .719                        | .572      | .650      | .621       | .809       |

City of Placentia  
 N/S: Kraemer Boulevard  
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 Weather: Clear

File Name : 20PLAKRAVAM  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |           |            | 07:15 AM  |           |            |            | 07:30 AM  |            |           |            | 07:15 AM  |           |           |            |
|--------------|-----------|------------|-----------|------------|-----------|-----------|------------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|
| +0 mins.     | 34        | 219        | 27        | 280        | <b>47</b> | <b>56</b> | 74         | 177        | 7         | <b>195</b> | 20        | <b>222</b> | 21        | 28        | 8         | 57         |
| +15 mins.    | 66        | 288        | <b>53</b> | 407        | 32        | 48        | <b>109</b> | <b>189</b> | <b>10</b> | 108        | <b>30</b> | 148        | 34        | 66        | 13        | 113        |
| +30 mins.    | <b>78</b> | <b>330</b> | 28        | <b>436</b> | 40        | 33        | 78         | 151        | 3         | 98         | 24        | 125        | <b>40</b> | <b>87</b> | <b>15</b> | <b>142</b> |
| +45 mins.    | 54        | 224        | 25        | 303        | 36        | 17        | 65         | 118        | 5         | 90         | 21        | 116        | 20        | 18        | 3         | 41         |
| Total Volume | 232       | 1061       | 133       | 1426       | 155       | 154       | 326        | 635        | 25        | 491        | 95        | 611        | 115       | 199       | 39        | 353        |
| % App. Total | 16.3      | 74.4       | 9.3       |            | 24.4      | 24.3      | 51.3       |            | 4.1       | 80.4       | 15.5      |            | 32.6      | 56.4      | 11        |            |
| PHF          | .744      | .804       | .627      | .818       | .824      | .688      | .748       | .840       | .625      | .629       | .792      | .688       | .719      | .572      | .650      | .621       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 20PLAKRAVPM  
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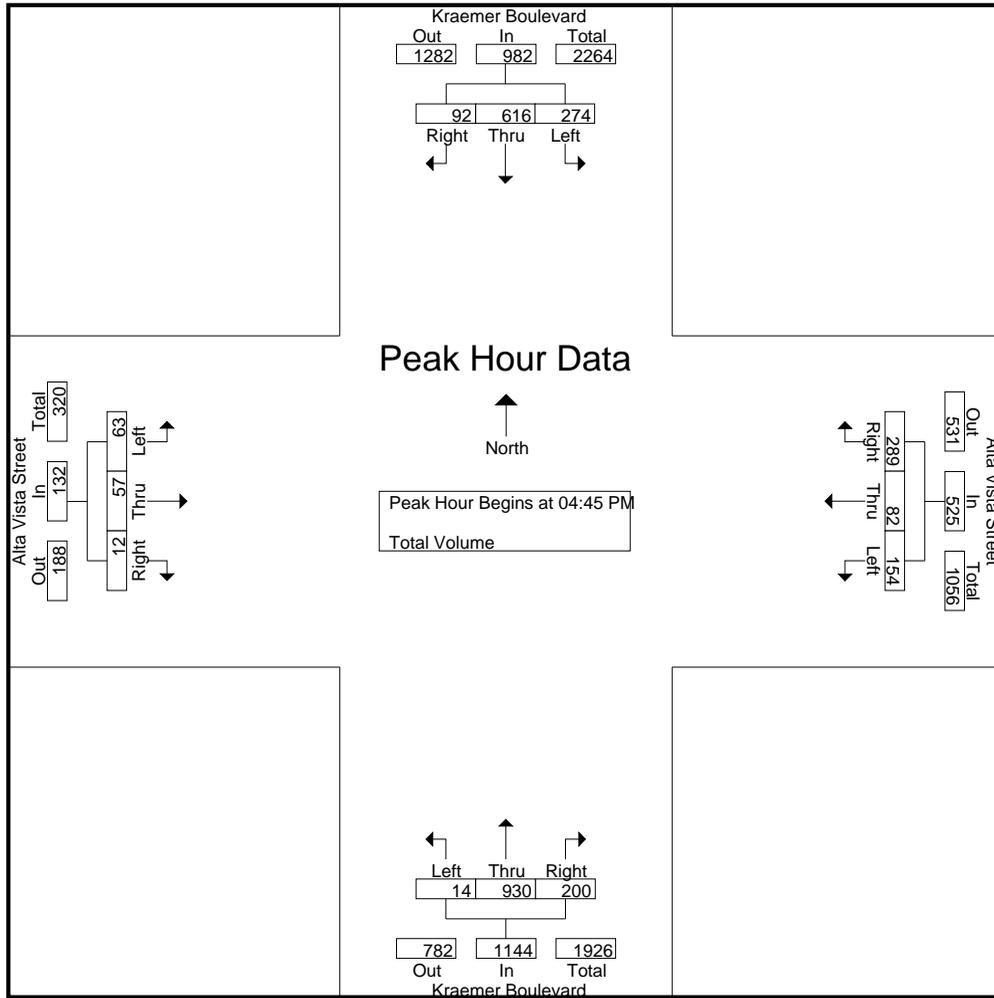
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 04:00 PM    | 55                           | 156  | 17    | 228        | 44                          | 13   | 64    | 121        | 3                            | 199  | 38    | 240        | 13                          | 18   | 5     | 36         | 625        |
| 04:15 PM    | 72                           | 167  | 13    | 252        | 34                          | 18   | 50    | 102        | 2                            | 188  | 53    | 243        | 14                          | 26   | 4     | 44         | 641        |
| 04:30 PM    | 69                           | 159  | 16    | 244        | 31                          | 22   | 58    | 111        | 3                            | 182  | 44    | 229        | 19                          | 19   | 1     | 39         | 623        |
| 04:45 PM    | 62                           | 145  | 23    | 230        | 43                          | 17   | 63    | 123        | 3                            | 214  | 56    | 273        | 16                          | 15   | 4     | 35         | 661        |
| Total       | 258                          | 627  | 69    | 954        | 152                         | 70   | 235   | 457        | 11                           | 783  | 191   | 985        | 62                          | 78   | 14    | 154        | 2550       |
| 05:00 PM    | 64                           | 152  | 18    | 234        | 36                          | 12   | 79    | 127        | 0                            | 225  | 47    | 272        | 13                          | 7    | 4     | 24         | 657        |
| 05:15 PM    | 72                           | 166  | 25    | 263        | 40                          | 27   | 75    | 142        | 6                            | 266  | 51    | 323        | 8                           | 13   | 2     | 23         | 751        |
| 05:30 PM    | 76                           | 153  | 26    | 255        | 35                          | 26   | 72    | 133        | 5                            | 225  | 46    | 276        | 26                          | 22   | 2     | 50         | 714        |
| 05:45 PM    | 76                           | 126  | 24    | 226        | 46                          | 33   | 69    | 148        | 2                            | 187  | 43    | 232        | 18                          | 16   | 2     | 36         | 642        |
| Total       | 288                          | 597  | 93    | 978        | 157                         | 98   | 295   | 550        | 13                           | 903  | 187   | 1103       | 65                          | 58   | 10    | 133        | 2764       |
| Grand Total | 546                          | 1224 | 162   | 1932       | 309                         | 168  | 530   | 1007       | 24                           | 1686 | 378   | 2088       | 127                         | 136  | 24    | 287        | 5314       |
| Apprch %    | 28.3                         | 63.4 | 8.4   |            | 30.7                        | 16.7 | 52.6  |            | 1.1                          | 80.7 | 18.1  |            | 44.3                        | 47.4 | 8.4   |            |            |
| Total %     | 10.3                         | 23   | 3     | 36.4       | 5.8                         | 3.2  | 10    | 18.9       | 0.5                          | 31.7 | 7.1   | 39.3       | 2.4                         | 2.6  | 0.5   | 5.4        |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |      |       |            |                             |      |       |            |                              |      |       |            |                             |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                              |      |       |            |                             |      |       |            |                              |      |       |            |                             |      |       |            |            |
| 04:45 PM   | 62                           | 145  | 23    | 230        | 43                          | 17   | 63    | 123        | 3                            | 214  | 56    | 273        | 16                          | 15   | 4     | 35         | 661        |
| 05:00 PM   | 64                           | 152  | 18    | 234        | 36                          | 12   | 79    | 127        | 0                            | 225  | 47    | 272        | 13                          | 7    | 4     | 24         | 657        |
| 05:15 PM   | 72                           | 166  | 25    | 263        | 40                          | 27   | 75    | 142        | 6                            | 266  | 51    | 323        | 8                           | 13   | 2     | 23         | 751        |
| 05:30 PM   | 76                           | 153  | 26    | 255        | 35                          | 26   | 72    | 133        | 5                            | 225  | 46    | 276        | 26                          | 22   | 2     | 50         | 714        |
| Total Volume   | 274                          | 616  | 92    | 982        | 154                         | 82   | 289   | 525        | 14                           | 930  | 200   | 1144       | 63                          | 57   | 12    | 132        | 2783       |
| % App. Total   | 27.9                         | 62.7 | 9.4   |            | 29.3                        | 15.6 | 55    |            | 1.2                          | 81.3 | 17.5  |            | 47.7                        | 43.2 | 9.1   |            |            |
| PHF  | .901                         | .928 | .885  | .933       | .895                        | .759 | .915  | .924       | .583                         | .874 | .893  | .885       | .606                        | .648 | .750  | .660       | .926       |

City of Placentia  
 N/S: Kraemer Boulevard  
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File Name : 20PLAKRAVPM  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM  |            |           |            | 05:00 PM  |           |           |            | 04:45 PM |            |           |            | 04:00 PM  |           |          |           |
|--------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|----------|------------|-----------|------------|-----------|-----------|----------|-----------|
| +0 mins.     | 62        | 145        | 23        | 230        | 36        | 12        | <b>79</b> | 127        | 3        | 214        | <b>56</b> | 273        | 13        | 18        | <b>5</b> | 36        |
| +15 mins.    | 64        | 152        | 18        | 234        | 40        | 27        | 75        | 142        | 0        | 225        | 47        | 272        | 14        | <b>26</b> | 4        | <b>44</b> |
| +30 mins.    | 72        | <b>166</b> | 25        | <b>263</b> | 35        | 26        | 72        | 133        | <b>6</b> | <b>266</b> | 51        | <b>323</b> | <b>19</b> | 19        | 1        | 39        |
| +45 mins.    | <b>76</b> | 153        | <b>26</b> | 255        | <b>46</b> | <b>33</b> | 69        | <b>148</b> | 5        | 225        | 46        | 276        | 16        | 15        | 4        | 35        |
| Total Volume | 274       | 616        | 92        | 982        | 157       | 98        | 295       | 550        | 14       | 930        | 200       | 1144       | 62        | 78        | 14       | 154       |
| % App. Total | 27.9      | 62.7       | 9.4       |            | 28.5      | 17.8      | 53.6      |            | 1.2      | 81.3       | 17.5      |            | 40.3      | 50.6      | 9.1      |           |
| PHF          | .901      | .928       | .885      | .933       | .853      | .742      | .934      | .929       | .583     | .874       | .893      | .885       | .816      | .750      | .700     | .875      |

City of Placentia  
 N/S: Rose Drive  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 21PLAROAVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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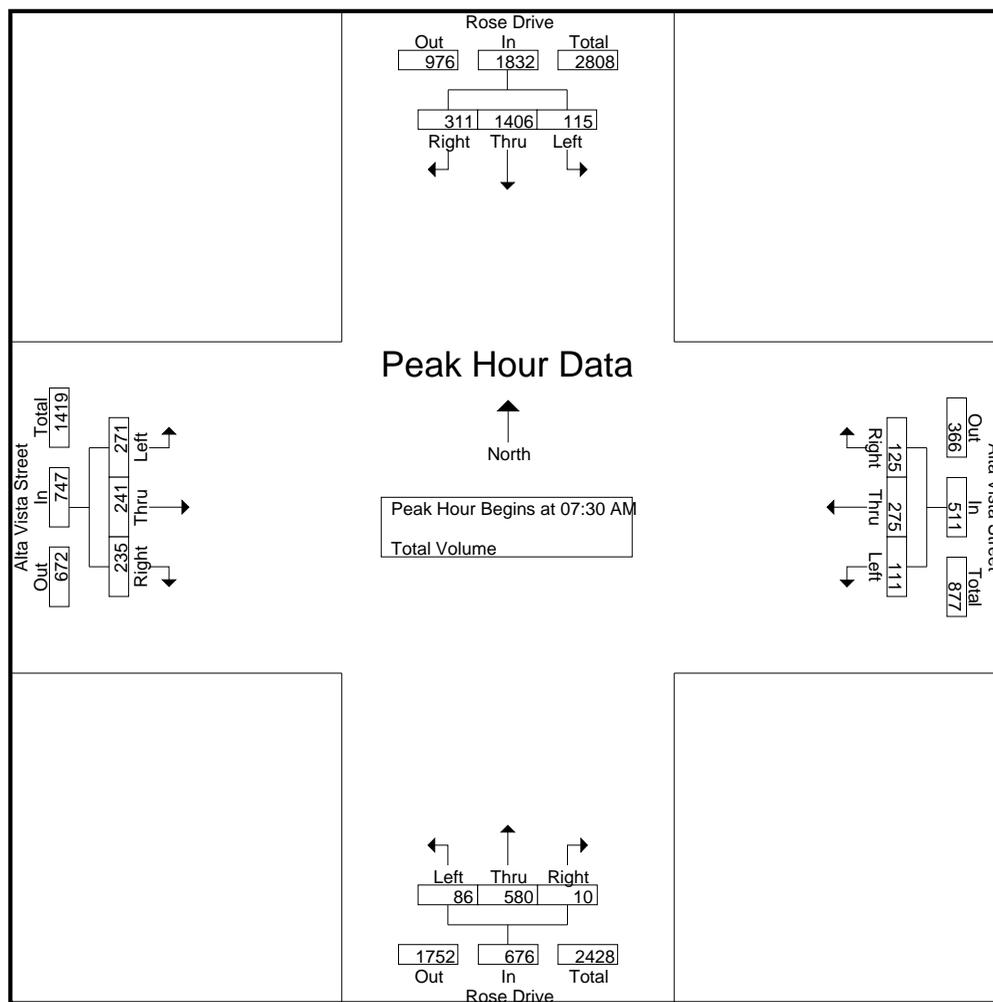
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Rose Drive Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 07:00 AM    | 15                    | 321  | 32    | 368        | 30                          | 34   | 13    | 77         | 11                    | 78   | 3     | 92         | 24                          | 28   | 59    | 111        | 648        |
| 07:15 AM    | 10                    | 285  | 67    | 362        | 19                          | 82   | 25    | 126        | 15                    | 104  | 2     | 121        | 48                          | 30   | 56    | 134        | 743        |
| 07:30 AM    | 23                    | 363  | 94    | 480        | 33                          | 104  | 50    | 187        | 16                    | 151  | 1     | 168        | 98                          | 69   | 80    | 247        | 1082       |
| 07:45 AM    | 25                    | 416  | 93    | 534        | 21                          | 67   | 28    | 116        | 22                    | 162  | 4     | 188        | 83                          | 83   | 49    | 215        | 1053       |
| Total       | 73                    | 1385 | 286   | 1744       | 103                         | 287  | 116   | 506        | 64                    | 495  | 10    | 569        | 253                         | 210  | 244   | 707        | 3526       |
| 08:00 AM    | 36                    | 335  | 66    | 437        | 29                          | 56   | 20    | 105        | 19                    | 131  | 3     | 153        | 48                          | 45   | 55    | 148        | 843        |
| 08:15 AM    | 31                    | 292  | 58    | 381        | 28                          | 48   | 27    | 103        | 29                    | 136  | 2     | 167        | 42                          | 44   | 51    | 137        | 788        |
| 08:30 AM    | 15                    | 291  | 68    | 374        | 34                          | 54   | 15    | 103        | 23                    | 146  | 3     | 172        | 43                          | 40   | 46    | 129        | 778        |
| 08:45 AM    | 16                    | 236  | 40    | 292        | 27                          | 44   | 17    | 88         | 24                    | 140  | 3     | 167        | 53                          | 49   | 40    | 142        | 689        |
| Total       | 98                    | 1154 | 232   | 1484       | 118                         | 202  | 79    | 399        | 95                    | 553  | 11    | 659        | 186                         | 178  | 192   | 556        | 3098       |
| Grand Total | 171                   | 2539 | 518   | 3228       | 221                         | 489  | 195   | 905        | 159                   | 1048 | 21    | 1228       | 439                         | 388  | 436   | 1263       | 6624       |
| Apprch %    | 5.3                   | 78.7 | 16    |            | 24.4                        | 54   | 21.5  |            | 12.9                  | 85.3 | 1.7   |            | 34.8                        | 30.7 | 34.5  |            |            |
| Total %     | 2.6                   | 38.3 | 7.8   | 48.7       | 3.3                         | 7.4  | 2.9   | 13.7       | 2.4                   | 15.8 | 0.3   | 18.5       | 6.6                         | 5.9  | 6.6   | 19.1       |            |

| Start Time   | Rose Drive Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Rose Drive Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|--|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|  | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                       |      |       |            |                             |      |       |            |                       |      |       |            |                             |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                       |      |       |            |                             |      |       |            |                       |      |       |            |                             |      |       |            |            |
| 07:30 AM   | 23                    | 363  | 94    | 480        | 33                          | 104  | 50    | 187        | 16                    | 151  | 1     | 168        | 98                          | 69   | 80    | 247        | 1082       |
| 07:45 AM   | 25                    | 416  | 93    | 534        | 21                          | 67   | 28    | 116        | 22                    | 162  | 4     | 188        | 83                          | 83   | 49    | 215        | 1053       |
| 08:00 AM   | 36                    | 335  | 66    | 437        | 29                          | 56   | 20    | 105        | 19                    | 131  | 3     | 153        | 48                          | 45   | 55    | 148        | 843        |
| 08:15 AM   | 31                    | 292  | 58    | 381        | 28                          | 48   | 27    | 103        | 29                    | 136  | 2     | 167        | 42                          | 44   | 51    | 137        | 788        |
| Total Volume   | 115                   | 1406 | 311   | 1832       | 111                         | 275  | 125   | 511        | 86                    | 580  | 10    | 676        | 271                         | 241  | 235   | 747        | 3766       |
| % App. Total   | 6.3                   | 76.7 | 17    |            | 21.7                        | 53.8 | 24.5  |            | 12.7                  | 85.8 | 1.5   |            | 36.3                        | 32.3 | 31.5  |            |            |
| PHF  | .799                  | .845 | .827  | .858       | .841                        | .661 | .625  | .683       | .741                  | .895 | .625  | .899       | .691                        | .726 | .734  | .756       | .870       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Alta Vista Street  
 Weather: Clear

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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            | 07:45 AM  |            |          |            | 07:30 AM  |           |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|----------|------------|-----------|-----------|-----------|------------|
| +0 mins.     | 23        | 363        | <b>94</b> | 480        | 19        | 82         | 25        | 126        | 22        | <b>162</b> | <b>4</b> | <b>188</b> | <b>98</b> | 69        | <b>80</b> | <b>247</b> |
| +15 mins.    | 25        | <b>416</b> | 93        | <b>534</b> | <b>33</b> | <b>104</b> | <b>50</b> | <b>187</b> | 19        | 131        | 3        | 153        | 83        | <b>83</b> | 49        | 215        |
| +30 mins.    | <b>36</b> | 335        | 66        | 437        | 21        | 67         | 28        | 116        | <b>29</b> | 136        | 2        | 167        | 48        | 45        | 55        | 148        |
| +45 mins.    | 31        | 292        | 58        | 381        | 29        | 56         | 20        | 105        | 23        | 146        | 3        | 172        | 42        | 44        | 51        | 137        |
| Total Volume | 115       | 1406       | 311       | 1832       | 102       | 309        | 123       | 534        | 93        | 575        | 12       | 680        | 271       | 241       | 235       | 747        |
| % App. Total | 6.3       | 76.7       | 17        |            | 19.1      | 57.9       | 23        |            | 13.7      | 84.6       | 1.8      |            | 36.3      | 32.3      | 31.5      |            |
| PHF          | .799      | .845       | .827      | .858       | .773      | .743       | .615      | .714       | .802      | .887       | .750     | .904       | .691      | .726      | .734      | .756       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 21PLAROAVPM  
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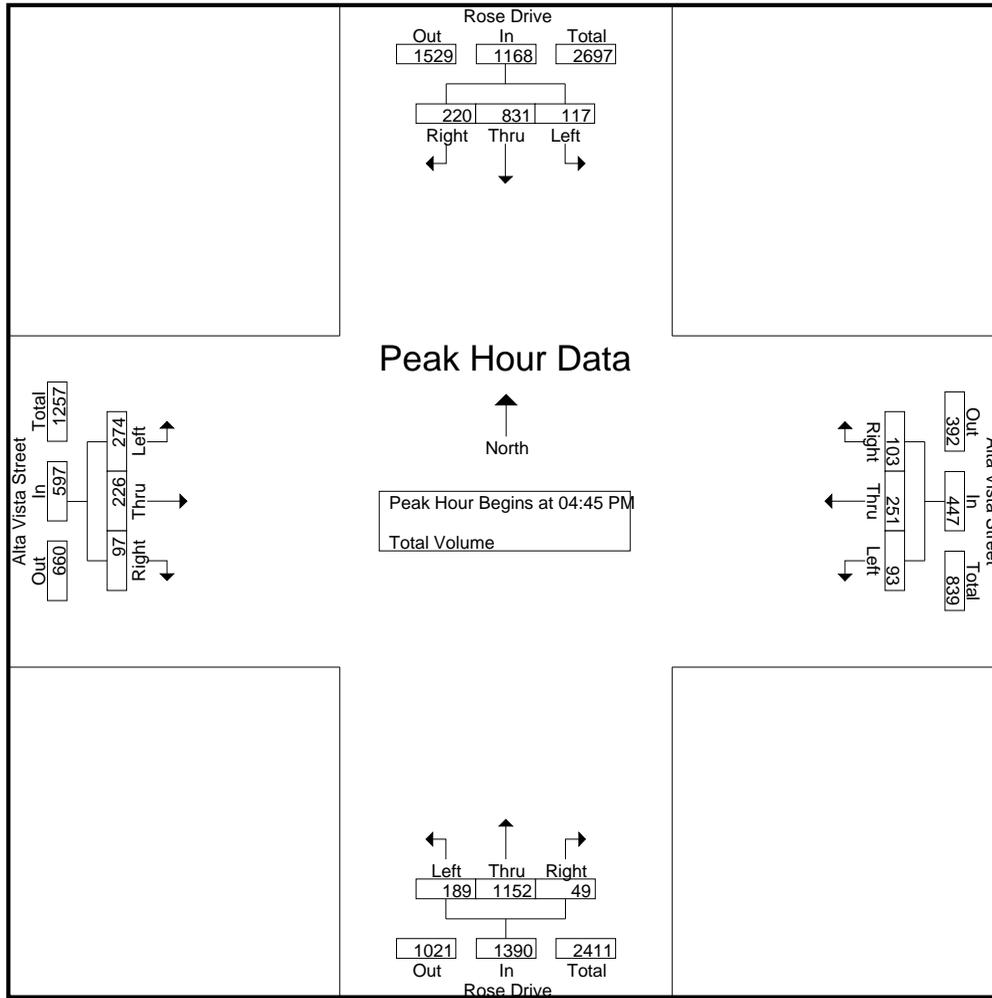
Groups Printed- Total Volume

| Start Time  | Rose Drive Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Rose Drive Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 04:00 PM    | 24                    | 209  | 33    | 266        | 22                          | 45   | 29    | 96         | 36                    | 236  | 11    | 283        | 48                          | 47   | 28    | 123        | 768        |
| 04:15 PM    | 34                    | 205  | 39    | 278        | 30                          | 53   | 18    | 101        | 46                    | 242  | 11    | 299        | 77                          | 54   | 29    | 160        | 838        |
| 04:30 PM    | 31                    | 202  | 51    | 284        | 20                          | 65   | 22    | 107        | 46                    | 245  | 7     | 298        | 68                          | 41   | 25    | 134        | 823        |
| 04:45 PM    | 26                    | 231  | 45    | 302        | 26                          | 52   | 24    | 102        | 46                    | 293  | 21    | 360        | 62                          | 52   | 24    | 138        | 902        |
| Total       | 115                   | 847  | 168   | 1130       | 98                          | 215  | 93    | 406        | 174                   | 1016 | 50    | 1240       | 255                         | 194  | 106   | 555        | 3331       |
| 05:00 PM    | 37                    | 182  | 58    | 277        | 15                          | 66   | 29    | 110        | 51                    | 287  | 8     | 346        | 64                          | 58   | 17    | 139        | 872        |
| 05:15 PM    | 32                    | 236  | 59    | 327        | 27                          | 66   | 20    | 113        | 39                    | 298  | 14    | 351        | 77                          | 52   | 28    | 157        | 948        |
| 05:30 PM    | 22                    | 182  | 58    | 262        | 25                          | 67   | 30    | 122        | 53                    | 274  | 6     | 333        | 71                          | 64   | 28    | 163        | 880        |
| 05:45 PM    | 33                    | 162  | 53    | 248        | 24                          | 56   | 28    | 108        | 54                    | 270  | 9     | 333        | 54                          | 59   | 32    | 145        | 834        |
| Total       | 124                   | 762  | 228   | 1114       | 91                          | 255  | 107   | 453        | 197                   | 1129 | 37    | 1363       | 266                         | 233  | 105   | 604        | 3534       |
| Grand Total | 239                   | 1609 | 396   | 2244       | 189                         | 470  | 200   | 859        | 371                   | 2145 | 87    | 2603       | 521                         | 427  | 211   | 1159       | 6865       |
| Apprch %    | 10.7                  | 71.7 | 17.6  |            | 22                          | 54.7 | 23.3  |            | 14.3                  | 82.4 | 3.3   |            | 45                          | 36.8 | 18.2  |            |            |
| Total %     | 3.5                   | 23.4 | 5.8   | 32.7       | 2.8                         | 6.8  | 2.9   | 12.5       | 5.4                   | 31.2 | 1.3   | 37.9       | 7.6                         | 6.2  | 3.1   | 16.9       |            |

| Start Time   | Rose Drive Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Rose Drive Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|--|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|  | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                  | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                       |      |       |            |                             |      |       |            |                       |      |       |            |                             |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                       |      |       |            |                             |      |       |            |                       |      |       |            |                             |      |       |            |            |
| 04:45 PM   | 26                    | 231  | 45    | 302        | 26                          | 52   | 24    | 102        | 46                    | 293  | 21    | 360        | 62                          | 52   | 24    | 138        | 902        |
| 05:00 PM   | 37                    | 182  | 58    | 277        | 15                          | 66   | 29    | 110        | 51                    | 287  | 8     | 346        | 64                          | 58   | 17    | 139        | 872        |
| 05:15 PM   | 32                    | 236  | 59    | 327        | 27                          | 66   | 20    | 113        | 39                    | 298  | 14    | 351        | 77                          | 52   | 28    | 157        | 948        |
| 05:30 PM   | 22                    | 182  | 58    | 262        | 25                          | 67   | 30    | 122        | 53                    | 274  | 6     | 333        | 71                          | 64   | 28    | 163        | 880        |
| Total Volume   | 117                   | 831  | 220   | 1168       | 93                          | 251  | 103   | 447        | 189                   | 1152 | 49    | 1390       | 274                         | 226  | 97    | 597        | 3602       |
| % App. Total   | 10                    | 71.1 | 18.8  |            | 20.8                        | 56.2 | 23    |            | 13.6                  | 82.9 | 3.5   |            | 45.9                        | 37.9 | 16.2  |            |            |
| PHF  | .791                  | .880 | .932  | .893       | .861                        | .937 | .858  | .916       | .892                  | .966 | .583  | .965       | .890                        | .883 | .866  | .916       | .950       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 21PLAROAVPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM |      |      |      | 05:00 PM |      |      |      | 04:45 PM |      |      |      | 05:00 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 31       | 202  | 51   | 284  | 15       | 66   | 29   | 110  | 46       | 293  | 21   | 360  | 64       | 58   | 17   | 139  |
| +15 mins.    | 26       | 231  | 45   | 302  | 27       | 66   | 20   | 113  | 51       | 287  | 8    | 346  | 77       | 52   | 28   | 157  |
| +30 mins.    | 37       | 182  | 58   | 277  | 25       | 67   | 30   | 122  | 39       | 298  | 14   | 351  | 71       | 64   | 28   | 163  |
| +45 mins.    | 32       | 236  | 59   | 327  | 24       | 56   | 28   | 108  | 53       | 274  | 6    | 333  | 54       | 59   | 32   | 145  |
| Total Volume | 126      | 851  | 213  | 1190 | 91       | 255  | 107  | 453  | 189      | 1152 | 49   | 1390 | 266      | 233  | 105  | 604  |
| % App. Total | 10.6     | 71.5 | 17.9 |      | 20.1     | 56.3 | 23.6 |      | 13.6     | 82.9 | 3.5  |      | 44       | 38.6 | 17.4 |      |
| PHF          | .851     | .901 | .903 | .910 | .843     | .951 | .892 | .928 | .892     | .966 | .583 | .965 | .864     | .910 | .820 | .926 |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 22PLAJEAVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

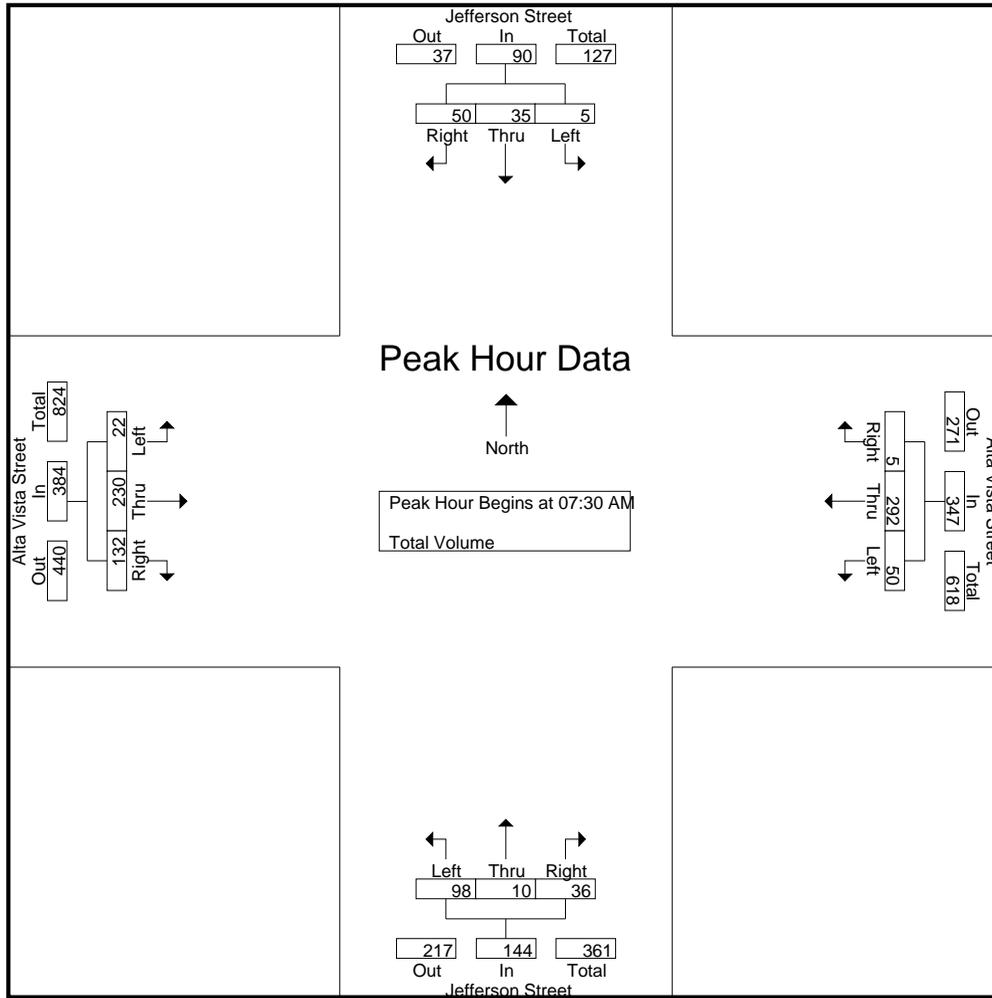
Groups Printed- Total Volume

| Start Time  | Jefferson Street Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 07:00 AM    | 0                           | 10   | 9     | 19         | 5                           | 41   | 0     | 46         | 20                          | 3    | 6     | 29         | 2                           | 27   | 25    | 54         | 148        |
| 07:15 AM    | 0                           | 14   | 11    | 25         | 4                           | 69   | 2     | 75         | 20                          | 3    | 6     | 29         | 4                           | 28   | 13    | 45         | 174        |
| 07:30 AM    | 1                           | 7    | 22    | 30         | 14                          | 109  | 3     | 126        | 47                          | 4    | 14    | 65         | 4                           | 49   | 34    | 87         | 308        |
| 07:45 AM    | 2                           | 9    | 13    | 24         | 14                          | 73   | 1     | 88         | 19                          | 1    | 3     | 23         | 11                          | 62   | 33    | 106        | 241        |
| Total       | 3                           | 40   | 55    | 98         | 37                          | 292  | 6     | 335        | 106                         | 11   | 29    | 146        | 21                          | 166  | 105   | 292        | 871        |
| 08:00 AM    | 2                           | 12   | 7     | 21         | 7                           | 56   | 0     | 63         | 22                          | 3    | 8     | 33         | 7                           | 63   | 39    | 109        | 226        |
| 08:15 AM    | 0                           | 7    | 8     | 15         | 15                          | 54   | 1     | 70         | 10                          | 2    | 11    | 23         | 0                           | 56   | 26    | 82         | 190        |
| 08:30 AM    | 2                           | 10   | 7     | 19         | 12                          | 57   | 0     | 69         | 20                          | 2    | 8     | 30         | 4                           | 48   | 19    | 71         | 189        |
| 08:45 AM    | 1                           | 8    | 12    | 21         | 8                           | 46   | 0     | 54         | 14                          | 3    | 6     | 23         | 4                           | 48   | 17    | 69         | 167        |
| Total       | 5                           | 37   | 34    | 76         | 42                          | 213  | 1     | 256        | 66                          | 10   | 33    | 109        | 15                          | 215  | 101   | 331        | 772        |
| Grand Total | 8                           | 77   | 89    | 174        | 79                          | 505  | 7     | 591        | 172                         | 21   | 62    | 255        | 36                          | 381  | 206   | 623        | 1643       |
| Apprch %    | 4.6                         | 44.3 | 51.1  |            | 13.4                        | 85.4 | 1.2   |            | 67.5                        | 8.2  | 24.3  |            | 5.8                         | 61.2 | 33.1  |            |            |
| Total %     | 0.5                         | 4.7  | 5.4   | 10.6       | 4.8                         | 30.7 | 0.4   | 36         | 10.5                        | 1.3  | 3.8   | 15.5       | 2.2                         | 23.2 | 12.5  | 37.9       |            |

| Start Time   | Jefferson Street Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |            |                             |      |       |            |                             |      |       |            |                             |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |      |       |            |                             |      |       |            |                             |      |       |            |                             |      |       |            |            |
| 07:30 AM   | 1                           | 7    | 22    | 30         | 14                          | 109  | 3     | 126        | 47                          | 4    | 14    | 65         | 4                           | 49   | 34    | 87         | 308        |
| 07:45 AM   | 2                           | 9    | 13    | 24         | 14                          | 73   | 1     | 88         | 19                          | 1    | 3     | 23         | 11                          | 62   | 33    | 106        | 241        |
| 08:00 AM   | 2                           | 12   | 7     | 21         | 7                           | 56   | 0     | 63         | 22                          | 3    | 8     | 33         | 7                           | 63   | 39    | 109        | 226        |
| 08:15 AM   | 0                           | 7    | 8     | 15         | 15                          | 54   | 1     | 70         | 10                          | 2    | 11    | 23         | 0                           | 56   | 26    | 82         | 190        |
| Total Volume   | 5                           | 35   | 50    | 90         | 50                          | 292  | 5     | 347        | 98                          | 10   | 36    | 144        | 22                          | 230  | 132   | 384        | 965        |
| % App. Total   | 5.6                         | 38.9 | 55.6  |            | 14.4                        | 84.1 | 1.4   |            | 68.1                        | 6.9  | 25    |            | 5.7                         | 59.9 | 34.4  |            |            |
| PHF  | .625                        | .729 | .568  | .750       | .833                        | .670 | .417  | .688       | .521                        | .625 | .643  | .554       | .500                        | .913 | .846  | .881       | .783       |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 22PLAJEAVAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:30 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 0        | 14   | 11   | 25   | 4        | 69   | 2    | 75   | 20       | 3    | 6    | 29   | 4        | 49   | 34   | 87   |
| +15 mins.    | 1        | 7    | 22   | 30   | 14       | 109  | 3    | 126  | 47       | 4    | 14   | 65   | 11       | 62   | 33   | 106  |
| +30 mins.    | 2        | 9    | 13   | 24   | 14       | 73   | 1    | 88   | 19       | 1    | 3    | 23   | 7        | 63   | 39   | 109  |
| +45 mins.    | 2        | 12   | 7    | 21   | 7        | 56   | 0    | 63   | 22       | 3    | 8    | 33   | 0        | 56   | 26   | 82   |
| Total Volume | 5        | 42   | 53   | 100  | 39       | 307  | 6    | 352  | 108      | 11   | 31   | 150  | 22       | 230  | 132  | 384  |
| % App. Total | 5        | 42   | 53   |      | 11.1     | 87.2 | 1.7  |      | 72       | 7.3  | 20.7 |      | 5.7      | 59.9 | 34.4 |      |
| PHF          | .625     | .750 | .602 | .833 | .696     | .704 | .500 | .698 | .574     | .688 | .554 | .577 | .500     | .913 | .846 | .881 |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 22PLAJEAVPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

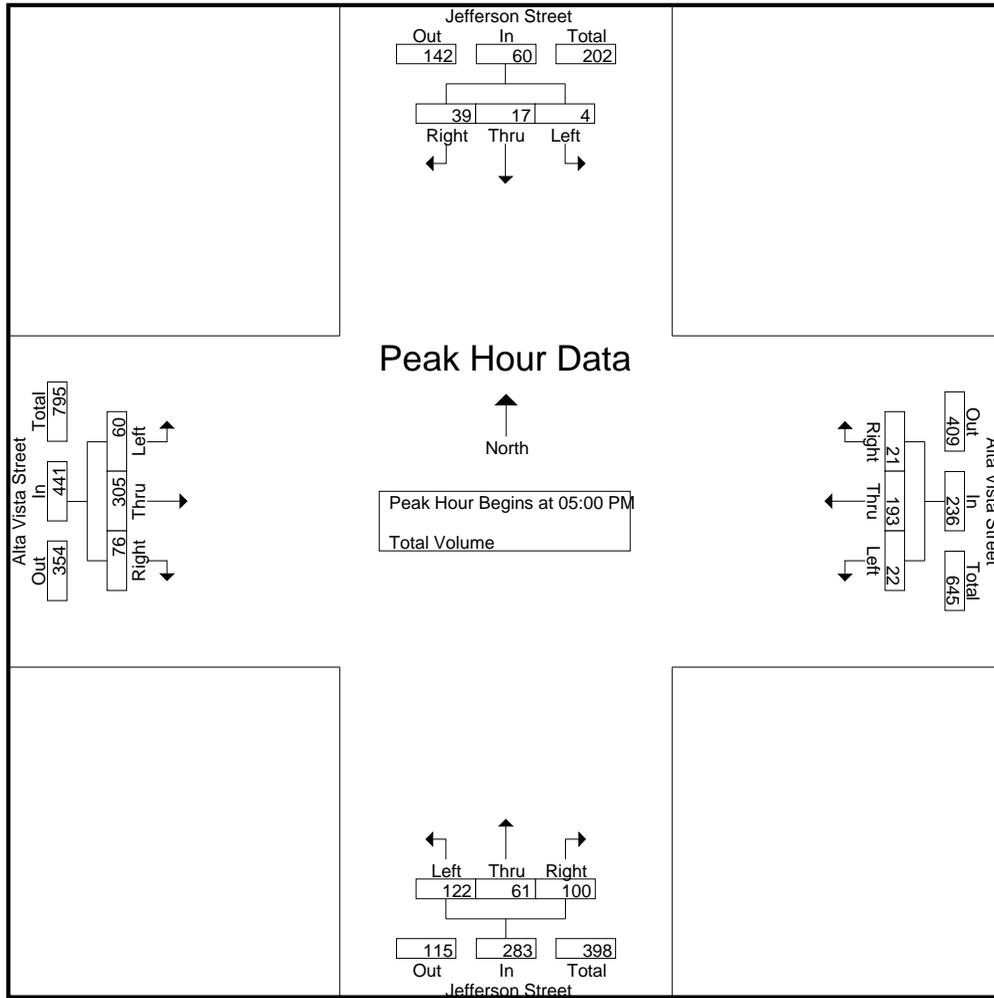
Groups Printed- Total Volume

| Start Time  | Jefferson Street Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| 04:00 PM    | 1                           | 2    | 4     | 7          | 4                           | 53   | 5     | 62         | 23                          | 5    | 20    | 48         | 6                           | 65   | 26    | 97         | 214        |
| 04:15 PM    | 0                           | 3    | 5     | 8          | 3                           | 31   | 2     | 36         | 26                          | 5    | 20    | 51         | 7                           | 90   | 20    | 117        | 212        |
| 04:30 PM    | 2                           | 1    | 5     | 8          | 5                           | 43   | 1     | 49         | 38                          | 13   | 30    | 81         | 15                          | 59   | 19    | 93         | 231        |
| 04:45 PM    | 1                           | 5    | 7     | 13         | 4                           | 52   | 3     | 59         | 23                          | 13   | 25    | 61         | 14                          | 67   | 23    | 104        | 237        |
| Total       | 4                           | 11   | 21    | 36         | 16                          | 179  | 11    | 206        | 110                         | 36   | 95    | 241        | 42                          | 281  | 88    | 411        | 894        |
| 05:00 PM    | 0                           | 3    | 8     | 11         | 3                           | 40   | 3     | 46         | 29                          | 12   | 32    | 73         | 11                          | 75   | 13    | 99         | 229        |
| 05:15 PM    | 2                           | 5    | 9     | 16         | 3                           | 54   | 7     | 64         | 37                          | 11   | 26    | 74         | 12                          | 80   | 17    | 109        | 263        |
| 05:30 PM    | 1                           | 5    | 9     | 15         | 4                           | 57   | 3     | 64         | 31                          | 20   | 24    | 75         | 13                          | 66   | 23    | 102        | 256        |
| 05:45 PM    | 1                           | 4    | 13    | 18         | 12                          | 42   | 8     | 62         | 25                          | 18   | 18    | 61         | 24                          | 84   | 23    | 131        | 272        |
| Total       | 4                           | 17   | 39    | 60         | 22                          | 193  | 21    | 236        | 122                         | 61   | 100   | 283        | 60                          | 305  | 76    | 441        | 1020       |
| Grand Total | 8                           | 28   | 60    | 96         | 38                          | 372  | 32    | 442        | 232                         | 97   | 195   | 524        | 102                         | 586  | 164   | 852        | 1914       |
| Apprch %    | 8.3                         | 29.2 | 62.5  |            | 8.6                         | 84.2 | 7.2   |            | 44.3                        | 18.5 | 37.2  |            | 12                          | 68.8 | 19.2  |            |            |
| Total %     | 0.4                         | 1.5  | 3.1   | 5          | 2                           | 19.4 | 1.7   | 23.1       | 12.1                        | 5.1  | 10.2  | 27.4       | 5.3                         | 30.6 | 8.6   | 44.5       |            |

| Start Time   | Jefferson Street Southbound |      |       |            | Alta Vista Street Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Alta Vista Street Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|-----------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                        | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |      |       |            |                             |      |       |            |                             |      |       |            |                             |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                             |      |       |            |                             |      |       |            |                             |      |       |            |                             |      |       |            |            |
| 05:00 PM   | 0                           | 3    | 8     | 11         | 3                           | 40   | 3     | 46         | 29                          | 12   | 32    | 73         | 11                          | 75   | 13    | 99         | 229        |
| 05:15 PM   | 2                           | 5    | 9     | 16         | 3                           | 54   | 7     | 64         | 37                          | 11   | 26    | 74         | 12                          | 80   | 17    | 109        | 263        |
| 05:30 PM   | 1                           | 5    | 9     | 15         | 4                           | 57   | 3     | 64         | 31                          | 20   | 24    | 75         | 13                          | 66   | 23    | 102        | 256        |
| 05:45 PM   | 1                           | 4    | 13    | 18         | 12                          | 42   | 8     | 62         | 25                          | 18   | 18    | 61         | 24                          | 84   | 23    | 131        | 272        |
| Total Volume   | 4                           | 17   | 39    | 60         | 22                          | 193  | 21    | 236        | 122                         | 61   | 100   | 283        | 60                          | 305  | 76    | 441        | 1020       |
| % App. Total   | 6.7                         | 28.3 | 65    |            | 9.3                         | 81.8 | 8.9   |            | 43.1                        | 21.6 | 35.3  |            | 13.6                        | 69.2 | 17.2  |            |            |
| PHF  | .500                        | .850 | .750  | .833       | .458                        | .846 | .656  | .922       | .824                        | .763 | .781  | .943       | .625                        | .908 | .826  | .842       | .938       |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Alta Vista Street  
 Weather: Clear

File Name : 22PLAJEAVPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM |          |           |           | 05:00 PM  |           |          |           | 04:30 PM  |           |           |           | 05:00 PM  |           |           |            |
|--------------|----------|----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| +0 mins.     | 0        | 3        | 8         | 11        | 3         | 40        | 3        | 46        | <b>38</b> | <b>13</b> | 30        | <b>81</b> | 11        | 75        | 13        | 99         |
| +15 mins.    | <b>2</b> | <b>5</b> | 9         | 16        | 3         | 54        | 7        | <b>64</b> | 23        | 13        | 25        | 61        | 12        | 80        | 17        | 109        |
| +30 mins.    | 1        | 5        | 9         | 15        | 4         | <b>57</b> | 3        | 64        | 29        | 12        | <b>32</b> | 73        | 13        | 66        | <b>23</b> | 102        |
| +45 mins.    | 1        | 4        | <b>13</b> | <b>18</b> | <b>12</b> | 42        | <b>8</b> | 62        | 37        | 11        | 26        | 74        | <b>24</b> | <b>84</b> | 23        | <b>131</b> |
| Total Volume | 4        | 17       | 39        | 60        | 22        | 193       | 21       | 236       | 127       | 49        | 113       | 289       | 60        | 305       | 76        | 441        |
| % App. Total | 6.7      | 28.3     | 65        |           | 9.3       | 81.8      | 8.9      |           | 43.9      | 17        | 39.1      |           | 13.6      | 69.2      | 17.2      |            |
| PHF          | .500     | .850     | .750      | .833      | .458      | .846      | .656     | .922      | .836      | .942      | .883      | .892      | .625      | .908      | .826      | .842       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Champan Avenue  
 Weather: Clear

File Name : 23PLAPLCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

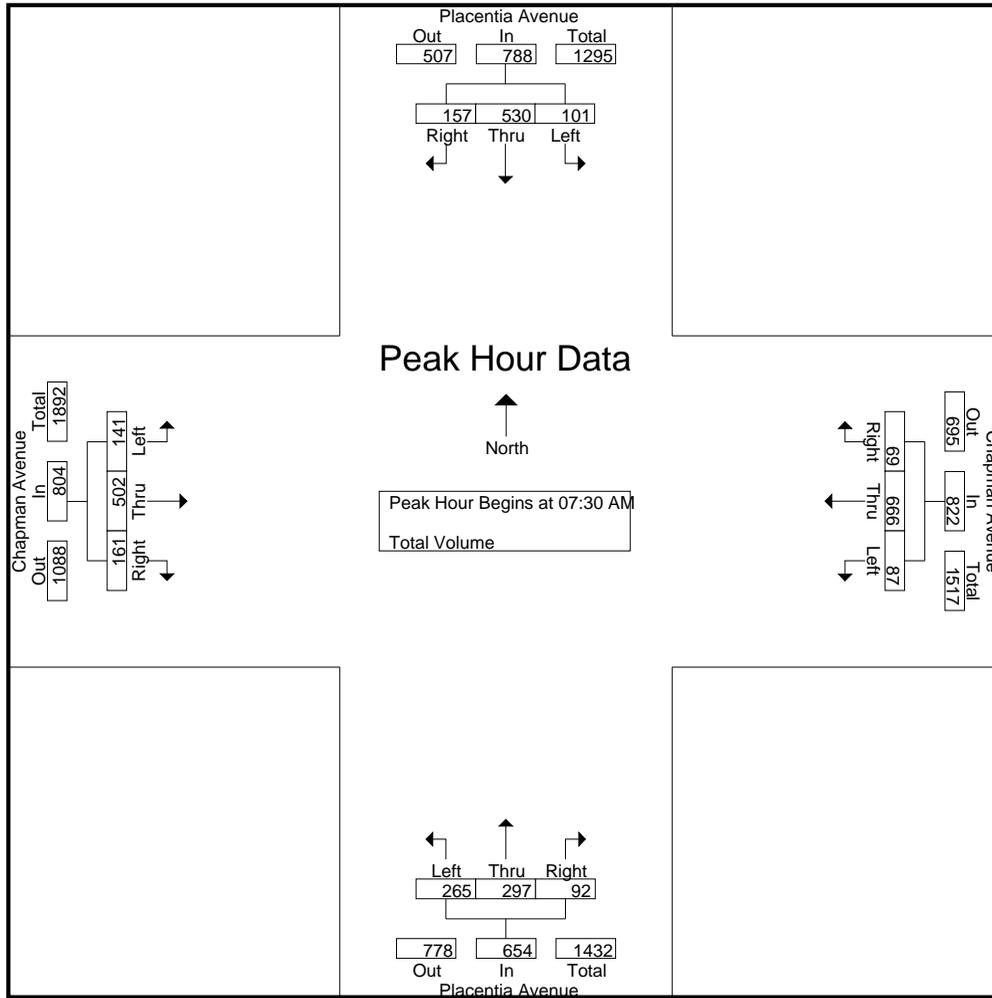
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 14                          | 107  | 49    | 170        | 12                       | 138  | 10    | 160        | 43                          | 43   | 10    | 96         | 13                       | 96   | 34    | 143        | 569        |
| 07:15 AM    | 25                          | 131  | 37    | 193        | 13                       | 176  | 19    | 208        | 47                          | 52   | 12    | 111        | 22                       | 119  | 33    | 174        | 686        |
| 07:30 AM    | 22                          | 132  | 40    | 194        | 16                       | 170  | 14    | 200        | 68                          | 103  | 28    | 199        | 36                       | 130  | 44    | 210        | 803        |
| 07:45 AM    | 23                          | 169  | 42    | 234        | 28                       | 169  | 11    | 208        | 74                          | 82   | 21    | 177        | 31                       | 121  | 44    | 196        | 815        |
| Total       | 84                          | 539  | 168   | 791        | 69                       | 653  | 54    | 776        | 232                         | 280  | 71    | 583        | 102                      | 466  | 155   | 723        | 2873       |
| 08:00 AM    | 32                          | 113  | 44    | 189        | 23                       | 165  | 21    | 209        | 67                          | 55   | 23    | 145        | 38                       | 125  | 32    | 195        | 738        |
| 08:15 AM    | 24                          | 116  | 31    | 171        | 20                       | 162  | 23    | 205        | 56                          | 57   | 20    | 133        | 36                       | 126  | 41    | 203        | 712        |
| 08:30 AM    | 22                          | 96   | 30    | 148        | 18                       | 159  | 16    | 193        | 55                          | 51   | 16    | 122        | 28                       | 131  | 52    | 211        | 674        |
| 08:45 AM    | 20                          | 88   | 32    | 140        | 28                       | 163  | 12    | 203        | 43                          | 52   | 20    | 115        | 18                       | 113  | 41    | 172        | 630        |
| Total       | 98                          | 413  | 137   | 648        | 89                       | 649  | 72    | 810        | 221                         | 215  | 79    | 515        | 120                      | 495  | 166   | 781        | 2754       |
| Grand Total | 182                         | 952  | 305   | 1439       | 158                      | 1302 | 126   | 1586       | 453                         | 495  | 150   | 1098       | 222                      | 961  | 321   | 1504       | 5627       |
| Apprch %    | 12.6                        | 66.2 | 21.2  |            | 10                       | 82.1 | 7.9   |            | 41.3                        | 45.1 | 13.7  |            | 14.8                     | 63.9 | 21.3  |            |            |
| Total %     | 3.2                         | 16.9 | 5.4   | 25.6       | 2.8                      | 23.1 | 2.2   | 28.2       | 8.1                         | 8.8  | 2.7   | 19.5       | 3.9                      | 17.1 | 5.7   | 26.7       |            |

| Start Time   | Placentia Avenue Southbound |            |           |            | Chapman Avenue Westbound |            |           |            | Placentia Avenue Northbound |            |           |            | Chapman Avenue Eastbound |            |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |            |           |            |                          |            |           |            |                             |            |           |            |                          |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |            |           |            |                          |            |           |            |                             |            |           |            |                          |            |           |            |            |
| 07:30 AM   | 22                          | 132        | 40        | 194        | 16                       | <b>170</b> | 14        | 200        | 68                          | <b>103</b> | <b>28</b> | <b>199</b> | 36                       | <b>130</b> | <b>44</b> | <b>210</b> | 803        |
| 07:45 AM   | 23                          | <b>169</b> | 42        | <b>234</b> | <b>28</b>                | 169        | 11        | 208        | <b>74</b>                   | 82         | 21        | 177        | 31                       | 121        | 44        | 196        | <b>815</b> |
| 08:00 AM   | <b>32</b>                   | 113        | <b>44</b> | 189        | 23                       | 165        | 21        | <b>209</b> | 67                          | 55         | 23        | 145        | <b>38</b>                | 125        | 32        | 195        | 738        |
| 08:15 AM   | 24                          | 116        | 31        | 171        | 20                       | 162        | <b>23</b> | 205        | 56                          | 57         | 20        | 133        | 36                       | 126        | 41        | 203        | 712        |
| Total Volume   | 101                         | 530        | 157       | 788        | 87                       | 666        | 69        | 822        | 265                         | 297        | 92        | 654        | 141                      | 502        | 161       | 804        | 3068       |
| % App. Total   | 12.8                        | 67.3       | 19.9      |            | 10.6                     | 81         | 8.4       |            | 40.5                        | 45.4       | 14.1      |            | 17.5                     | 62.4       | 20        |            |            |
| PHF  | .789                        | .784       | .892      | .842       | .777                     | .979       | .750      | .983       | .895                        | .721       | .821      | .822       | .928                     | .965       | .915      | .957       | .941       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Champan Avenue  
 Weather: Clear

File Name : 23PLAPLCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |           |            | 07:15 AM  |            |           |            | 07:30 AM  |            |           |            | 07:45 AM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 25        | 131        | 37        | 193        | 13        | <b>176</b> | 19        | 208        | 68        | <b>103</b> | <b>28</b> | <b>199</b> | 31        | 121        | 44        | 196        |
| +15 mins.    | 22        | 132        | 40        | 194        | 16        | 170        | 14        | 200        | <b>74</b> | 82         | 21        | 177        | <b>38</b> | 125        | 32        | 195        |
| +30 mins.    | 23        | <b>169</b> | 42        | <b>234</b> | <b>28</b> | 169        | 11        | 208        | 67        | 55         | 23        | 145        | 36        | 126        | 41        | 203        |
| +45 mins.    | <b>32</b> | 113        | <b>44</b> | 189        | 23        | 165        | <b>21</b> | <b>209</b> | 56        | 57         | 20        | 133        | 28        | <b>131</b> | <b>52</b> | <b>211</b> |
| Total Volume | 102       | 545        | 163       | 810        | 80        | 680        | 65        | 825        | 265       | 297        | 92        | 654        | 133       | 503        | 169       | 805        |
| % App. Total | 12.6      | 67.3       | 20.1      |            | 9.7       | 82.4       | 7.9       |            | 40.5      | 45.4       | 14.1      |            | 16.5      | 62.5       | 21        |            |
| PHF          | .797      | .806       | .926      | .865       | .714      | .966       | .774      | .987       | .895      | .721       | .821      | .822       | .875      | .960       | .813      | .954       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Champan Avenue  
 Weather: Clear

File Name : 23PLAPLCHPM  
 Site Code : 22117718  
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 Page No : 1

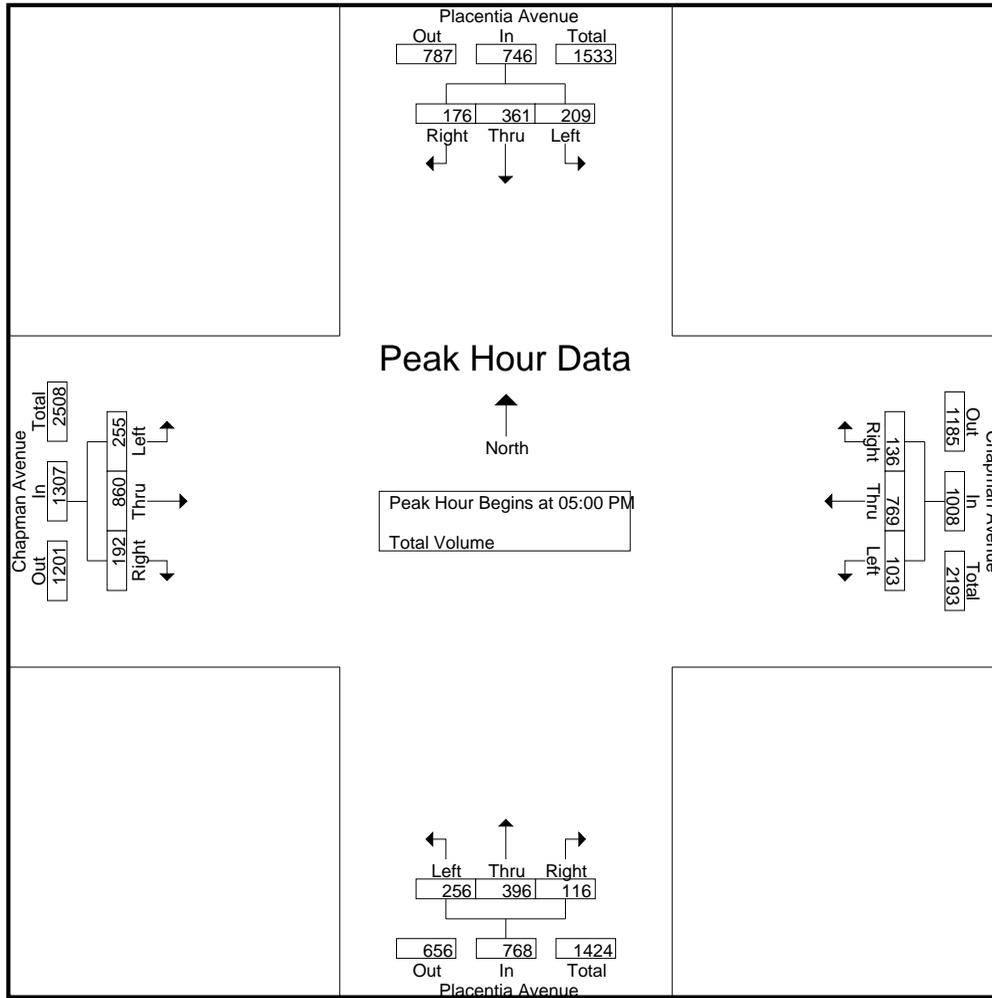
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|-----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 60                          | 88   | 55    | 203        | 20                       | 156  | 37    | 213        | 53                          | 101  | 22    | 176        | 62                       | 208  | 49    | 319        | 911        |
| 04:15 PM    | 44                          | 110  | 56    | 210        | 24                       | 149  | 38    | 211        | 73                          | 88   | 22    | 183        | 50                       | 193  | 52    | 295        | 899        |
| 04:30 PM    | 43                          | 72   | 54    | 169        | 15                       | 161  | 28    | 204        | 72                          | 96   | 25    | 193        | 61                       | 189  | 45    | 295        | 861        |
| 04:45 PM    | 49                          | 70   | 41    | 160        | 17                       | 152  | 27    | 196        | 74                          | 101  | 22    | 197        | 67                       | 239  | 50    | 356        | 909        |
| Total       | 196                         | 340  | 206   | 742        | 76                       | 618  | 130   | 824        | 272                         | 386  | 91    | 749        | 240                      | 829  | 196   | 1265       | 3580       |
| 05:00 PM    | 39                          | 91   | 43    | 173        | 26                       | 179  | 34    | 239        | 72                          | 100  | 29    | 201        | 66                       | 196  | 39    | 301        | 914        |
| 05:15 PM    | 46                          | 80   | 45    | 171        | 26                       | 207  | 37    | 270        | 80                          | 126  | 20    | 226        | 56                       | 222  | 43    | 321        | 988        |
| 05:30 PM    | 67                          | 89   | 43    | 199        | 25                       | 185  | 31    | 241        | 54                          | 98   | 38    | 190        | 63                       | 216  | 62    | 341        | 971        |
| 05:45 PM    | 57                          | 101  | 45    | 203        | 26                       | 198  | 34    | 258        | 50                          | 72   | 29    | 151        | 70                       | 226  | 48    | 344        | 956        |
| Total       | 209                         | 361  | 176   | 746        | 103                      | 769  | 136   | 1008       | 256                         | 396  | 116   | 768        | 255                      | 860  | 192   | 1307       | 3829       |
| Grand Total | 405                         | 701  | 382   | 1488       | 179                      | 1387 | 266   | 1832       | 528                         | 782  | 207   | 1517       | 495                      | 1689 | 388   | 2572       | 7409       |
| Apprch %    | 27.2                        | 47.1 | 25.7  |            | 9.8                      | 75.7 | 14.5  |            | 34.8                        | 51.5 | 13.6  |            | 19.2                     | 65.7 | 15.1  |            |            |
| Total %     | 5.5                         | 9.5  | 5.2   | 20.1       | 2.4                      | 18.7 | 3.6   | 24.7       | 7.1                         | 10.6 | 2.8   | 20.5       | 6.7                      | 22.8 | 5.2   | 34.7       |            |

| Start Time   | Placentia Avenue Southbound |            |           |            | Chapman Avenue Westbound |            |           |            | Placentia Avenue Northbound |            |           |            | Chapman Avenue Eastbound |            |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |            |           |            |                          |            |           |            |                             |            |           |            |                          |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                             |            |           |            |                          |            |           |            |                             |            |           |            |                          |            |           |            |            |
| 05:00 PM   | 39                          | 91         | 43        | 173        | <b>26</b>                | 179        | 34        | 239        | 72                          | 100        | 29        | 201        | 66                       | 196        | 39        | 301        | 914        |
| 05:15 PM   | 46                          | 80         | <b>45</b> | 171        | 26                       | <b>207</b> | <b>37</b> | <b>270</b> | <b>80</b>                   | <b>126</b> | 20        | <b>226</b> | 56                       | 222        | 43        | 321        | <b>988</b> |
| 05:30 PM   | <b>67</b>                   | 89         | 43        | 199        | 25                       | 185        | 31        | 241        | 54                          | 98         | <b>38</b> | 190        | 63                       | 216        | <b>62</b> | 341        | 971        |
| 05:45 PM   | 57                          | <b>101</b> | 45        | <b>203</b> | 26                       | 198        | 34        | 258        | 50                          | 72         | 29        | 151        | <b>70</b>                | <b>226</b> | 48        | <b>344</b> | 956        |
| Total Volume   | 209                         | 361        | 176       | 746        | 103                      | 769        | 136       | 1008       | 256                         | 396        | 116       | 768        | 255                      | 860        | 192       | 1307       | 3829       |
| % App. Total   | 28                          | 48.4       | 23.6      |            | 10.2                     | 76.3       | 13.5      |            | 33.3                        | 51.6       | 15.1      |            | 19.5                     | 65.8       | 14.7      |            |            |
| PHF  | .780                        | .894       | .978      | .919       | .990                     | .929       | .919      | .933       | .800                        | .786       | .763      | .850       | .911                     | .951       | .774      | .950       | .969       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Champan Avenue  
 Weather: Clear

File Name : 23PLAPLCHPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM  |            |           |            | 05:00 PM  |            |           |            | 04:30 PM  |            |           |            | 04:45 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 39        | 91         | 43        | 173        | <b>26</b> | 179        | 34        | 239        | 72        | 96         | 25        | 193        | <b>67</b> | <b>239</b> | 50        | <b>356</b> |
| +15 mins.    | 46        | 80         | <b>45</b> | 171        | 26        | <b>207</b> | <b>37</b> | <b>270</b> | 74        | 101        | 22        | 197        | 66        | 196        | 39        | 301        |
| +30 mins.    | <b>67</b> | 89         | 43        | 199        | 25        | 185        | 31        | 241        | 72        | 100        | <b>29</b> | 201        | 56        | 222        | 43        | 321        |
| +45 mins.    | 57        | <b>101</b> | 45        | <b>203</b> | 26        | 198        | 34        | 258        | <b>80</b> | <b>126</b> | 20        | <b>226</b> | 63        | 216        | <b>62</b> | 341        |
| Total Volume | 209       | 361        | 176       | 746        | 103       | 769        | 136       | 1008       | 298       | 423        | 96        | 817        | 252       | 873        | 194       | 1319       |
| % App. Total | 28        | 48.4       | 23.6      |            | 10.2      | 76.3       | 13.5      |            | 36.5      | 51.8       | 11.8      |            | 19.1      | 66.2       | 14.7      |            |
| PHF          | .780      | .894       | .978      | .919       | .990      | .929       | .919      | .933       | .931      | .839       | .828      | .904       | .940      | .913       | .782      | .926       |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 24PLABRCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

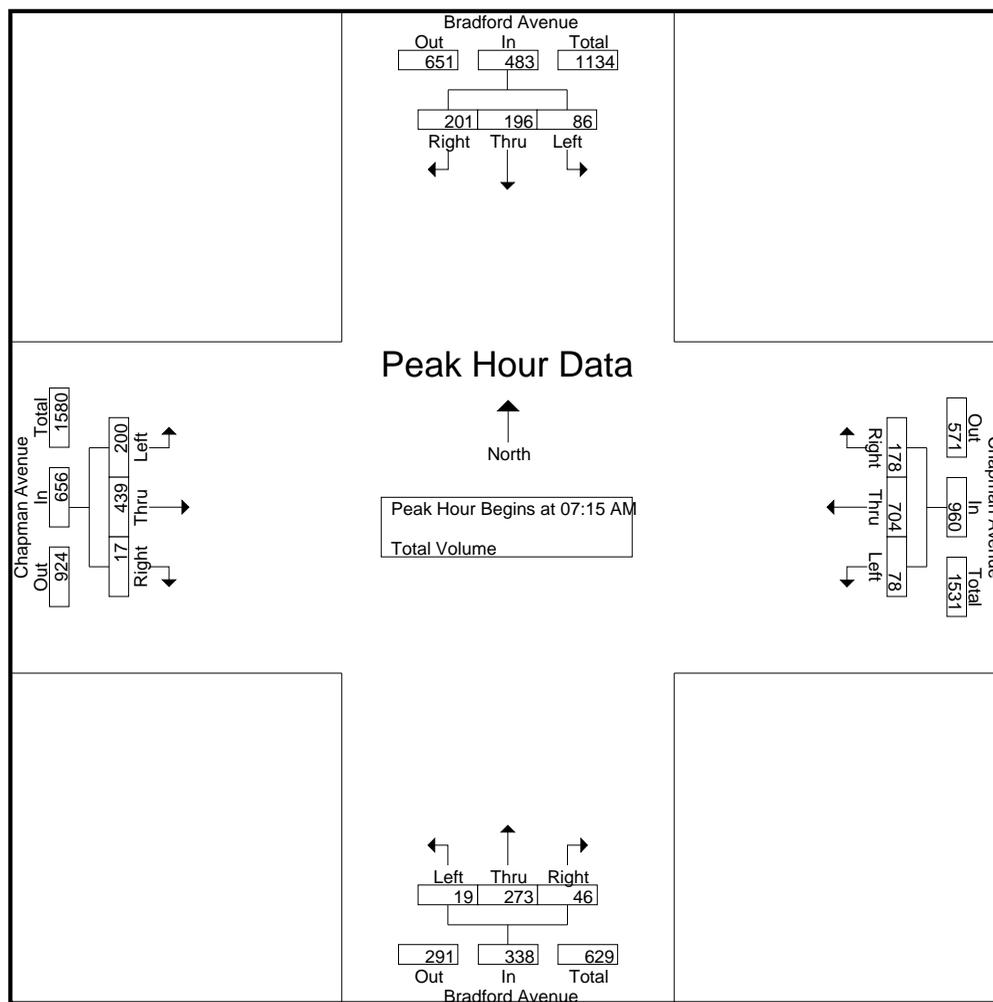
Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 14                         | 19   | 36    | 69         | 8                        | 111  | 12    | 131        | 4                          | 27   | 9     | 40         | 26                       | 68   | 2     | 96         | 336        |
| 07:15 AM    | 12                         | 34   | 39    | 85         | 11                       | 156  | 31    | 198        | 8                          | 59   | 12    | 79         | 49                       | 95   | 4     | 148        | 510        |
| 07:30 AM    | 18                         | 62   | 51    | 131        | 11                       | 170  | 64    | 245        | 3                          | 109  | 19    | 131        | 74                       | 100  | 2     | 176        | 683        |
| 07:45 AM    | 33                         | 66   | 69    | 168        | 42                       | 220  | 57    | 319        | 2                          | 88   | 9     | 99         | 44                       | 119  | 7     | 170        | 756        |
| Total       | 77                         | 181  | 195   | 453        | 72                       | 657  | 164   | 893        | 17                         | 283  | 49    | 349        | 193                      | 382  | 15    | 590        | 2285       |
| 08:00 AM    | 23                         | 34   | 42    | 99         | 14                       | 158  | 26    | 198        | 6                          | 17   | 6     | 29         | 33                       | 125  | 4     | 162        | 488        |
| 08:15 AM    | 14                         | 17   | 28    | 59         | 11                       | 164  | 21    | 196        | 8                          | 9    | 10    | 27         | 22                       | 126  | 5     | 153        | 435        |
| 08:30 AM    | 13                         | 10   | 22    | 45         | 9                        | 149  | 21    | 179        | 6                          | 18   | 13    | 37         | 36                       | 108  | 9     | 153        | 414        |
| 08:45 AM    | 11                         | 18   | 25    | 54         | 15                       | 166  | 17    | 198        | 7                          | 11   | 10    | 28         | 21                       | 110  | 7     | 138        | 418        |
| Total       | 61                         | 79   | 117   | 257        | 49                       | 637  | 85    | 771        | 27                         | 55   | 39    | 121        | 112                      | 469  | 25    | 606        | 1755       |
| Grand Total | 138                        | 260  | 312   | 710        | 121                      | 1294 | 249   | 1664       | 44                         | 338  | 88    | 470        | 305                      | 851  | 40    | 1196       | 4040       |
| Apprch %    | 19.4                       | 36.6 | 43.9  |            | 7.3                      | 77.8 | 15    |            | 9.4                        | 71.9 | 18.7  |            | 25.5                     | 71.2 | 3.3   |            |            |
| Total %     | 3.4                        | 6.4  | 7.7   | 17.6       | 3                        | 32   | 6.2   | 41.2       | 1.1                        | 8.4  | 2.2   | 11.6       | 7.5                      | 21.1 | 1     | 29.6       |            |

| Start Time   | Bradford Avenue Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                          |      |       |            |                            |      |       |            |                          |      |       |            |            |
| 07:15 AM   | 12                         | 34   | 39    | 85         | 11                       | 156  | 31    | 198        | 8                          | 59   | 12    | 79         | 49                       | 95   | 4     | 148        | 510        |
| 07:30 AM   | 18                         | 62   | 51    | 131        | 11                       | 170  | 64    | 245        | 3                          | 109  | 19    | 131        | 74                       | 100  | 2     | 176        | 683        |
| 07:45 AM   | 33                         | 66   | 69    | 168        | 42                       | 220  | 57    | 319        | 2                          | 88   | 9     | 99         | 44                       | 119  | 7     | 170        | 756        |
| 08:00 AM   | 23                         | 34   | 42    | 99         | 14                       | 158  | 26    | 198        | 6                          | 17   | 6     | 29         | 33                       | 125  | 4     | 162        | 488        |
| Total Volume   | 86                         | 196  | 201   | 483        | 78                       | 704  | 178   | 960        | 19                         | 273  | 46    | 338        | 200                      | 439  | 17    | 656        | 2437       |
| % App. Total   | 17.8                       | 40.6 | 41.6  |            | 8.1                      | 73.3 | 18.5  |            | 5.6                        | 80.8 | 13.6  |            | 30.5                     | 66.9 | 2.6   |            |            |
| PHF  | .652                       | .742 | .728  | .719       | .464                     | .800 | .695  | .752       | .594                       | .626 | .605  | .645       | .676                     | .878 | .607  | .932       | .806       |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 24PLABRCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:00 AM |      |      |      | 07:30 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 12       | 34   | 39   | 85   | 11       | 156  | 31   | 198  | 4        | 27   | 9    | 40   | 74       | 100  | 2    | 176  |
| +15 mins.    | 18       | 62   | 51   | 131  | 11       | 170  | 64   | 245  | 8        | 59   | 12   | 79   | 44       | 119  | 7    | 170  |
| +30 mins.    | 33       | 66   | 69   | 168  | 42       | 220  | 57   | 319  | 3        | 109  | 19   | 131  | 33       | 125  | 4    | 162  |
| +45 mins.    | 23       | 34   | 42   | 99   | 14       | 158  | 26   | 198  | 2        | 88   | 9    | 99   | 22       | 126  | 5    | 153  |
| Total Volume | 86       | 196  | 201  | 483  | 78       | 704  | 178  | 960  | 17       | 283  | 49   | 349  | 173      | 470  | 18   | 661  |
| % App. Total | 17.8     | 40.6 | 41.6 |      | 8.1      | 73.3 | 18.5 |      | 4.9      | 81.1 | 14   |      | 26.2     | 71.1 | 2.7  |      |
| PHF          | .652     | .742 | .728 | .719 | .464     | .800 | .695 | .752 | .531     | .649 | .645 | .666 | .584     | .933 | .643 | .939 |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 24PLABRCHPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

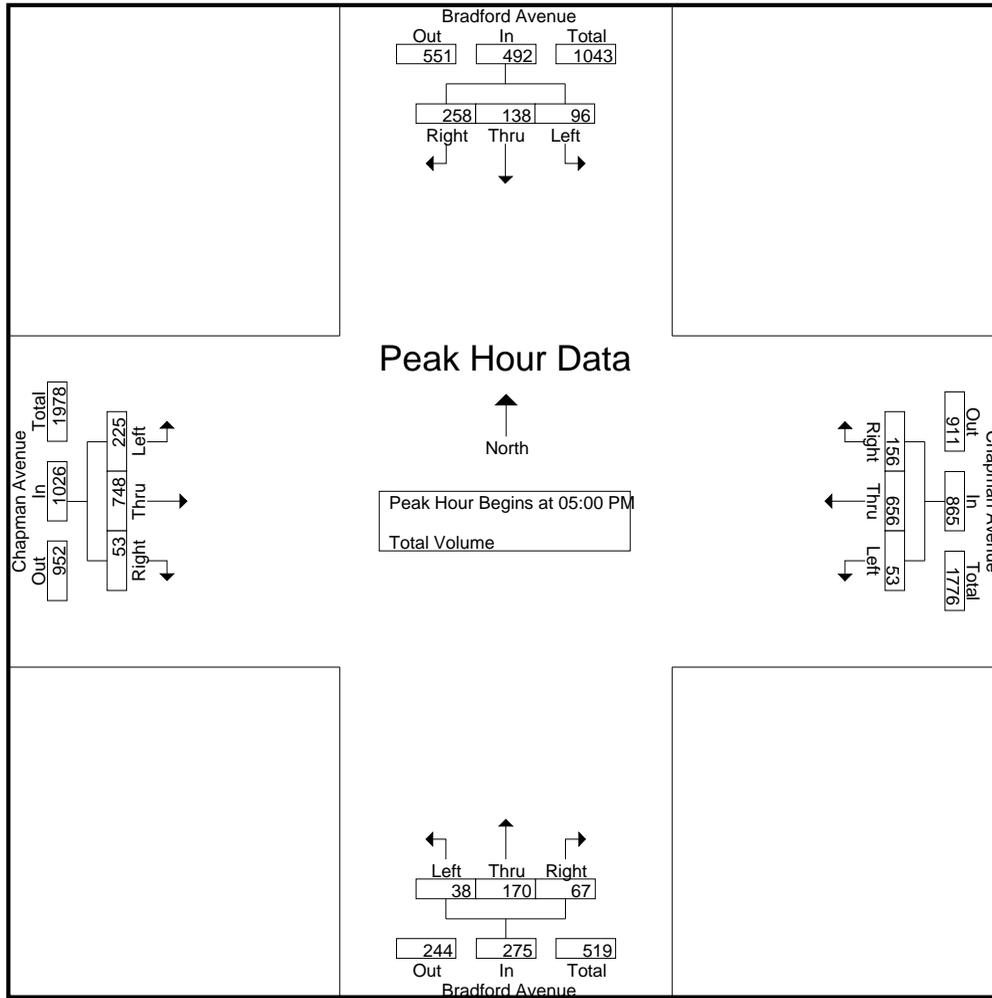
Groups Printed- Total Volume

| Start Time  | Bradford Avenue Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Bradford Avenue Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|----------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                       | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 24                         | 29   | 43    | 96         | 11                       | 143  | 32    | 186        | 2                          | 33   | 11    | 46         | 55                       | 169  | 14    | 238        | 566        |
| 04:15 PM    | 20                         | 33   | 33    | 86         | 13                       | 134  | 27    | 174        | 11                         | 47   | 17    | 75         | 50                       | 163  | 11    | 224        | 559        |
| 04:30 PM    | 18                         | 33   | 46    | 97         | 10                       | 134  | 16    | 160        | 11                         | 33   | 9     | 53         | 51                       | 156  | 10    | 217        | 527        |
| 04:45 PM    | 26                         | 33   | 50    | 109        | 14                       | 113  | 32    | 159        | 11                         | 43   | 11    | 65         | 44                       | 189  | 11    | 244        | 577        |
| Total       | 88                         | 128  | 172   | 388        | 48                       | 524  | 107   | 679        | 35                         | 156  | 48    | 239        | 200                      | 677  | 46    | 923        | 2229       |
| 05:00 PM    | 33                         | 28   | 51    | 112        | 16                       | 158  | 26    | 200        | 4                          | 36   | 21    | 61         | 65                       | 152  | 9     | 226        | 599        |
| 05:15 PM    | 18                         | 45   | 71    | 134        | 7                        | 175  | 42    | 224        | 11                         | 50   | 10    | 71         | 46                       | 192  | 17    | 255        | 684        |
| 05:30 PM    | 23                         | 42   | 82    | 147        | 13                       | 164  | 40    | 217        | 10                         | 49   | 18    | 77         | 56                       | 180  | 12    | 248        | 689        |
| 05:45 PM    | 22                         | 23   | 54    | 99         | 17                       | 159  | 48    | 224        | 13                         | 35   | 18    | 66         | 58                       | 224  | 15    | 297        | 686        |
| Total       | 96                         | 138  | 258   | 492        | 53                       | 656  | 156   | 865        | 38                         | 170  | 67    | 275        | 225                      | 748  | 53    | 1026       | 2658       |
| Grand Total | 184                        | 266  | 430   | 880        | 101                      | 1180 | 263   | 1544       | 73                         | 326  | 115   | 514        | 425                      | 1425 | 99    | 1949       | 4887       |
| Apprch %    | 20.9                       | 30.2 | 48.9  |            | 6.5                      | 76.4 | 17    |            | 14.2                       | 63.4 | 22.4  |            | 21.8                     | 73.1 | 5.1   |            |            |
| Total %     | 3.8                        | 5.4  | 8.8   | 18         | 2.1                      | 24.1 | 5.4   | 31.6       | 1.5                        | 6.7  | 2.4   | 10.5       | 8.7                      | 29.2 | 2     | 39.9       |            |

| Start Time   | Bradford Avenue Southbound |           |           |            | Chapman Avenue Westbound |            |           |            | Bradford Avenue Northbound |           |           |            | Chapman Avenue Eastbound |            |           |            | Int. Total |
|--|----------------------------|-----------|-----------|------------|--------------------------|------------|-----------|------------|----------------------------|-----------|-----------|------------|--------------------------|------------|-----------|------------|------------|
|  | Left                       | Thru      | Right     | App. Total | Left                     | Thru       | Right     | App. Total | Left                       | Thru      | Right     | App. Total | Left                     | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |           |           |            |                          |            |           |            |                            |           |           |            |                          |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                            |           |           |            |                          |            |           |            |                            |           |           |            |                          |            |           |            |            |
| 05:00 PM   | <b>33</b>                  | 28        | 51        | 112        | 16                       | 158        | 26        | 200        | 4                          | 36        | <b>21</b> | 61         | <b>65</b>                | 152        | 9         | 226        | 599        |
| 05:15 PM   | 18                         | <b>45</b> | 71        | 134        | 7                        | <b>175</b> | 42        | <b>224</b> | 11                         | <b>50</b> | 10        | 71         | 46                       | 192        | <b>17</b> | 255        | 684        |
| 05:30 PM   | 23                         | 42        | <b>82</b> | <b>147</b> | 13                       | 164        | 40        | 217        | 10                         | 49        | 18        | <b>77</b>  | 56                       | 180        | 12        | 248        | <b>689</b> |
| 05:45 PM   | 22                         | 23        | 54        | 99         | <b>17</b>                | 159        | <b>48</b> | 224        | <b>13</b>                  | 35        | 18        | 66         | 58                       | <b>224</b> | 15        | <b>297</b> | 686        |
| Total Volume   | 96                         | 138       | 258       | 492        | 53                       | 656        | 156       | 865        | 38                         | 170       | 67        | 275        | 225                      | 748        | 53        | 1026       | 2658       |
| % App. Total   | 19.5                       | 28        | 52.4      |            | 6.1                      | 75.8       | 18        |            | 13.8                       | 61.8      | 24.4      |            | 21.9                     | 72.9       | 5.2       |            |            |
| PHF  | .727                       | .767      | .787      | .837       | .779                     | .937       | .813      | .965       | .731                       | .850      | .798      | .893       | .865                     | .835       | .779      | .864       | .964       |

City of Placentia  
 N/S: Bradford Avenue  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 24PLABRCHPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM |      |      |      | 05:00 PM |      |      |      | 05:00 PM |      |      |      | 05:00 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 26       | 33   | 50   | 109  | 16       | 158  | 26   | 200  | 4        | 36   | 21   | 61   | 65       | 152  | 9    | 226  |
| +15 mins.    | 33       | 28   | 51   | 112  | 7        | 175  | 42   | 224  | 11       | 50   | 10   | 71   | 46       | 192  | 17   | 255  |
| +30 mins.    | 18       | 45   | 71   | 134  | 13       | 164  | 40   | 217  | 10       | 49   | 18   | 77   | 56       | 180  | 12   | 248  |
| +45 mins.    | 23       | 42   | 82   | 147  | 17       | 159  | 48   | 224  | 13       | 35   | 18   | 66   | 58       | 224  | 15   | 297  |
| Total Volume | 100      | 148  | 254  | 502  | 53       | 656  | 156  | 865  | 38       | 170  | 67   | 275  | 225      | 748  | 53   | 1026 |
| % App. Total | 19.9     | 29.5 | 50.6 |      | 6.1      | 75.8 | 18   |      | 13.8     | 61.8 | 24.4 |      | 21.9     | 72.9 | 5.2  |      |
| PHF          | .758     | .822 | .774 | .854 | .779     | .937 | .813 | .965 | .731     | .850 | .798 | .893 | .865     | .835 | .779 | .864 |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 25PLAKRCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

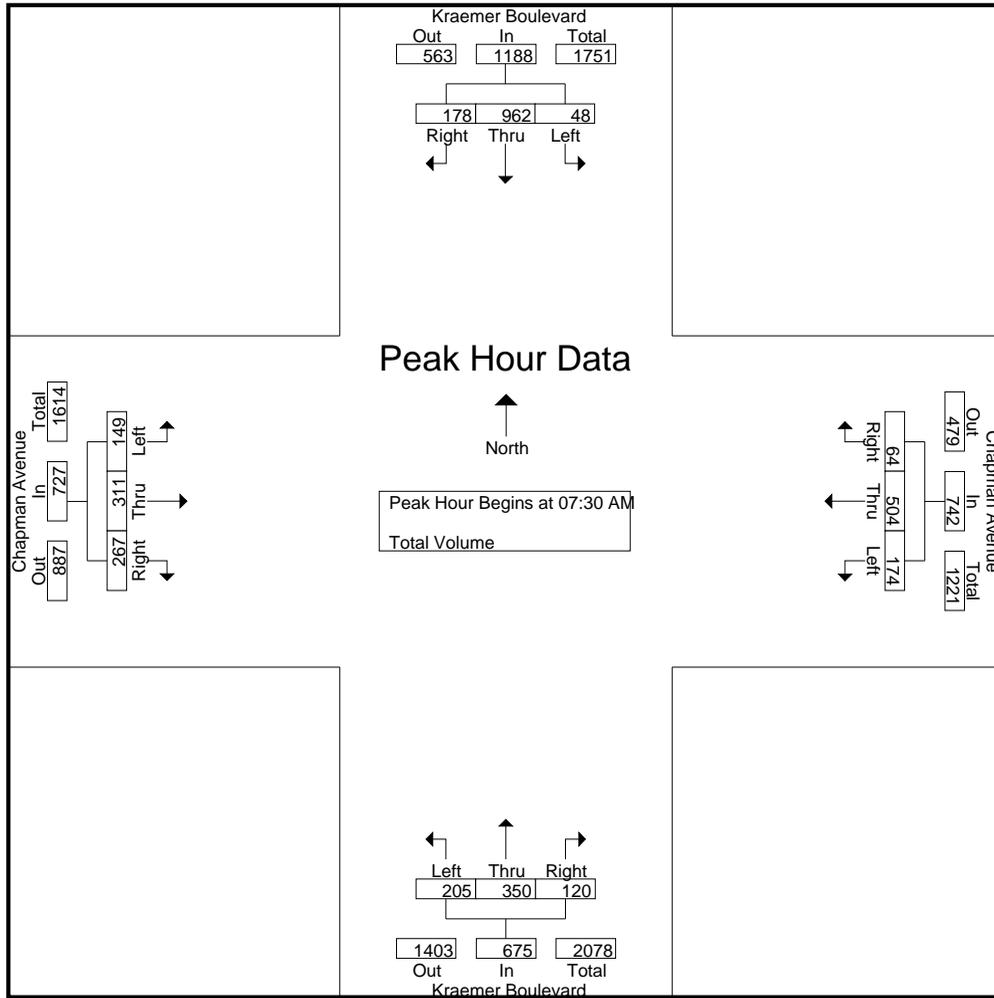
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 07:00 AM    | 5                            | 220  | 31    | 256        | 15                       | 54   | 8     | 77         | 27                           | 39   | 4     | 70         | 20                       | 32   | 52    | 104        | 507        |
| 07:15 AM    | 16                           | 242  | 49    | 307        | 24                       | 87   | 13    | 124        | 41                           | 67   | 7     | 115        | 30                       | 54   | 55    | 139        | 685        |
| 07:30 AM    | 14                           | 223  | 47    | 284        | 18                       | 167  | 20    | 205        | 81                           | 116  | 11    | 208        | 58                       | 71   | 70    | 199        | 896        |
| 07:45 AM    | 15                           | 310  | 65    | 390        | 41                       | 114  | 10    | 165        | 52                           | 86   | 24    | 162        | 37                       | 99   | 75    | 211        | 928        |
| Total       | 50                           | 995  | 192   | 1237       | 98                       | 422  | 51    | 571        | 201                          | 308  | 46    | 555        | 145                      | 256  | 252   | 653        | 3016       |
| 08:00 AM    | 12                           | 225  | 36    | 273        | 49                       | 100  | 18    | 167        | 37                           | 69   | 56    | 162        | 34                       | 77   | 67    | 178        | 780        |
| 08:15 AM    | 7                            | 204  | 30    | 241        | 66                       | 123  | 16    | 205        | 35                           | 79   | 29    | 143        | 20                       | 64   | 55    | 139        | 728        |
| 08:30 AM    | 9                            | 225  | 31    | 265        | 18                       | 79   | 11    | 108        | 37                           | 79   | 8     | 124        | 26                       | 48   | 41    | 115        | 612        |
| 08:45 AM    | 6                            | 177  | 45    | 228        | 16                       | 70   | 7     | 93         | 22                           | 86   | 7     | 115        | 21                       | 56   | 43    | 120        | 556        |
| Total       | 34                           | 831  | 142   | 1007       | 149                      | 372  | 52    | 573        | 131                          | 313  | 100   | 544        | 101                      | 245  | 206   | 552        | 2676       |
| Grand Total | 84                           | 1826 | 334   | 2244       | 247                      | 794  | 103   | 1144       | 332                          | 621  | 146   | 1099       | 246                      | 501  | 458   | 1205       | 5692       |
| Apprch %    | 3.7                          | 81.4 | 14.9  |            | 21.6                     | 69.4 | 9     |            | 30.2                         | 56.5 | 13.3  |            | 20.4                     | 41.6 | 38    |            |            |
| Total %     | 1.5                          | 32.1 | 5.9   | 39.4       | 4.3                      | 13.9 | 1.8   | 20.1       | 5.8                          | 10.9 | 2.6   | 19.3       | 4.3                      | 8.8  | 8     | 21.2       |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                          |      |       |            |                              |      |       |            |                          |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |      |       |            |                          |      |       |            |                              |      |       |            |                          |      |       |            |            |
| 07:30 AM   | 14                           | 223  | 47    | 284        | 18                       | 167  | 20    | 205        | 81                           | 116  | 11    | 208        | 58                       | 71   | 70    | 199        | 896        |
| 07:45 AM   | 15                           | 310  | 65    | 390        | 41                       | 114  | 10    | 165        | 52                           | 86   | 24    | 162        | 37                       | 99   | 75    | 211        | 928        |
| 08:00 AM   | 12                           | 225  | 36    | 273        | 49                       | 100  | 18    | 167        | 37                           | 69   | 56    | 162        | 34                       | 77   | 67    | 178        | 780        |
| 08:15 AM   | 7                            | 204  | 30    | 241        | 66                       | 123  | 16    | 205        | 35                           | 79   | 29    | 143        | 20                       | 64   | 55    | 139        | 728        |
| Total Volume   | 48                           | 962  | 178   | 1188       | 174                      | 504  | 64    | 742        | 205                          | 350  | 120   | 675        | 149                      | 311  | 267   | 727        | 3332       |
| % App. Total   | 4                            | 81   | 15    |            | 23.5                     | 67.9 | 8.6   |            | 30.4                         | 51.9 | 17.8  |            | 20.5                     | 42.8 | 36.7  |            |            |
| PHF  | .800                         | .776 | .685  | .762       | .659                     | .754 | .800  | .905       | .633                         | .754 | .536  | .811       | .642                     | .785 | .890  | .861       | .898       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 25PLAKRCHAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 16       | 242  | 49   | 307  | 18       | 167  | 20   | 205  | 81       | 116  | 11   | 208  | 30       | 54   | 55   | 139  |
| +15 mins.    | 14       | 223  | 47   | 284  | 41       | 114  | 10   | 165  | 52       | 86   | 24   | 162  | 58       | 71   | 70   | 199  |
| +30 mins.    | 15       | 310  | 65   | 390  | 49       | 100  | 18   | 167  | 37       | 69   | 56   | 162  | 37       | 99   | 75   | 211  |
| +45 mins.    | 12       | 225  | 36   | 273  | 66       | 123  | 16   | 205  | 35       | 79   | 29   | 143  | 34       | 77   | 67   | 178  |
| Total Volume | 57       | 1000 | 197  | 1254 | 174      | 504  | 64   | 742  | 205      | 350  | 120  | 675  | 159      | 301  | 267  | 727  |
| % App. Total | 4.5      | 79.7 | 15.7 |      | 23.5     | 67.9 | 8.6  |      | 30.4     | 51.9 | 17.8 |      | 21.9     | 41.4 | 36.7 |      |
| PHF          | .891     | .806 | .758 | .804 | .659     | .754 | .800 | .905 | .633     | .754 | .536 | .811 | .685     | .760 | .890 | .861 |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 25PLAKRCHPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Chapman Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Chapman Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------------------------|------|-------|------------|--------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                     | Thru | Right | App. Total |            |
| 04:00 PM    | 13                           | 131  | 46    | 190        | 13                       | 67   | 13    | 93         | 44                           | 194  | 19    | 257        | 32                       | 91   | 48    | 171        | 711        |
| 04:15 PM    | 18                           | 149  | 34    | 201        | 7                        | 72   | 12    | 91         | 44                           | 190  | 28    | 262        | 39                       | 78   | 41    | 158        | 712        |
| 04:30 PM    | 19                           | 126  | 39    | 184        | 18                       | 60   | 11    | 89         | 55                           | 183  | 23    | 261        | 35                       | 88   | 29    | 152        | 686        |
| 04:45 PM    | 8                            | 128  | 41    | 177        | 19                       | 53   | 18    | 90         | 47                           | 192  | 24    | 263        | 50                       | 94   | 40    | 184        | 714        |
| Total       | 58                           | 534  | 160   | 752        | 57                       | 252  | 54    | 363        | 190                          | 759  | 94    | 1043       | 156                      | 351  | 158   | 665        | 2823       |
| 05:00 PM    | 16                           | 124  | 39    | 179        | 18                       | 94   | 11    | 123        | 65                           | 242  | 29    | 336        | 43                       | 93   | 38    | 174        | 812        |
| 05:15 PM    | 20                           | 134  | 44    | 198        | 11                       | 107  | 15    | 133        | 72                           | 245  | 34    | 351        | 46                       | 88   | 41    | 175        | 857        |
| 05:30 PM    | 12                           | 129  | 37    | 178        | 14                       | 81   | 14    | 109        | 51                           | 204  | 31    | 286        | 46                       | 103  | 36    | 185        | 758        |
| 05:45 PM    | 28                           | 101  | 46    | 175        | 19                       | 74   | 17    | 110        | 87                           | 177  | 38    | 302        | 46                       | 132  | 44    | 222        | 809        |
| Total       | 76                           | 488  | 166   | 730        | 62                       | 356  | 57    | 475        | 275                          | 868  | 132   | 1275       | 181                      | 416  | 159   | 756        | 3236       |
| Grand Total | 134                          | 1022 | 326   | 1482       | 119                      | 608  | 111   | 838        | 465                          | 1627 | 226   | 2318       | 337                      | 767  | 317   | 1421       | 6059       |
| Apprch %    | 9                            | 69   | 22    |            | 14.2                     | 72.6 | 13.2  |            | 20.1                         | 70.2 | 9.7   |            | 23.7                     | 54   | 22.3  |            |            |
| Total %     | 2.2                          | 16.9 | 5.4   | 24.5       | 2                        | 10   | 1.8   | 13.8       | 7.7                          | 26.9 | 3.7   | 38.3       | 5.6                      | 12.7 | 5.2   | 23.5       |            |

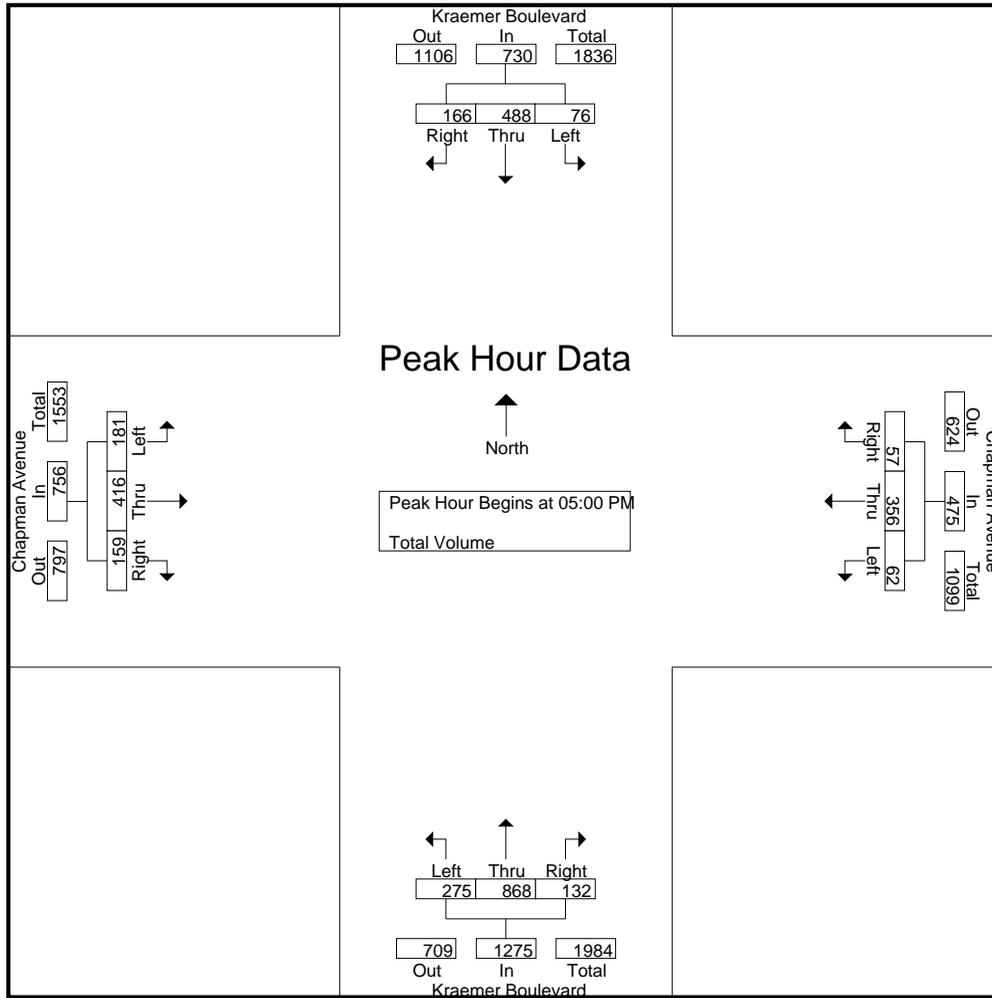
| Start Time   | Kraemer Boulevard Southbound |            |           |            | Chapman Avenue Westbound |            |           |            | Kraemer Boulevard Northbound |            |           |            | Chapman Avenue Eastbound |            |           |            | Int. Total |
|--------------|------------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|------------------------------|------------|-----------|------------|--------------------------|------------|-----------|------------|------------|
|              | Left                         | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total | Left                         | Thru       | Right     | App. Total | Left                     | Thru       | Right     | App. Total |            |
| 05:00 PM     | 16                           | 124        | 39        | 179        | 18                       | 94         | 11        | 123        | 65                           | 242        | 29        | 336        | 43                       | 93         | 38        | 174        | 812        |
| 05:15 PM     | 20                           | <b>134</b> | 44        | <b>198</b> | 11                       | <b>107</b> | 15        | <b>133</b> | 72                           | <b>245</b> | 34        | <b>351</b> | <b>46</b>                | 88         | 41        | 175        | <b>857</b> |
| 05:30 PM     | 12                           | 129        | 37        | 178        | 14                       | 81         | 14        | 109        | 51                           | 204        | 31        | 286        | 46                       | 103        | 36        | 185        | 758        |
| 05:45 PM     | <b>28</b>                    | 101        | <b>46</b> | 175        | <b>19</b>                | 74         | <b>17</b> | 110        | <b>87</b>                    | 177        | <b>38</b> | 302        | 46                       | <b>132</b> | <b>44</b> | <b>222</b> | 809        |
| Total Volume | 76                           | 488        | 166       | 730        | 62                       | 356        | 57        | 475        | 275                          | 868        | 132       | 1275       | 181                      | 416        | 159       | 756        | 3236       |
| % App. Total | 10.4                         | 66.8       | 22.7      |            | 13.1                     | 74.9       | 12        |            | 21.6                         | 68.1       | 10.4      |            | 23.9                     | 55         | 21        |            |            |
| PHF          | .679                         | .910       | .902      | .922       | .816                     | .832       | .838      | .893       | .790                         | .886       | .868      | .908       | .984                     | .788       | .903      | .851       | .944       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 05:00 PM

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Chapman Avenue  
 Weather: Clear

File Name : 25PLAKRCHPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM  |            |           |            | 05:00 PM  |            |           |            | 05:00 PM  |            |           |            | 05:00 PM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 13        | 131        | <b>46</b> | 190        | 18        | 94         | 11        | 123        | 65        | 242        | 29        | 336        | 43        | 93         | 38        | 174        |
| +15 mins.    | 18        | <b>149</b> | 34        | <b>201</b> | 11        | <b>107</b> | 15        | <b>133</b> | 72        | <b>245</b> | 34        | <b>351</b> | <b>46</b> | 88         | 41        | 175        |
| +30 mins.    | <b>19</b> | 126        | 39        | 184        | 14        | 81         | 14        | 109        | 51        | 204        | 31        | 286        | 46        | 103        | 36        | 185        |
| +45 mins.    | 8         | 128        | 41        | 177        | <b>19</b> | 74         | <b>17</b> | 110        | <b>87</b> | 177        | <b>38</b> | 302        | 46        | <b>132</b> | <b>44</b> | <b>222</b> |
| Total Volume | 58        | 534        | 160       | 752        | 62        | 356        | 57        | 475        | 275       | 868        | 132       | 1275       | 181       | 416        | 159       | 756        |
| % App. Total | 7.7       | 71         | 21.3      |            | 13.1      | 74.9       | 12        |            | 21.6      | 68.1       | 10.4      |            | 23.9      | 55         | 21        |            |
| PHF          | .763      | .896       | .870      | .935       | .816      | .832       | .838      | .893       | .790      | .886       | .868      | .908       | .984      | .788       | .903      | .851       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Fullerton Crossings/Crowther Avenue  
 Weather: Clear

File Name : 26PLAPLCRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

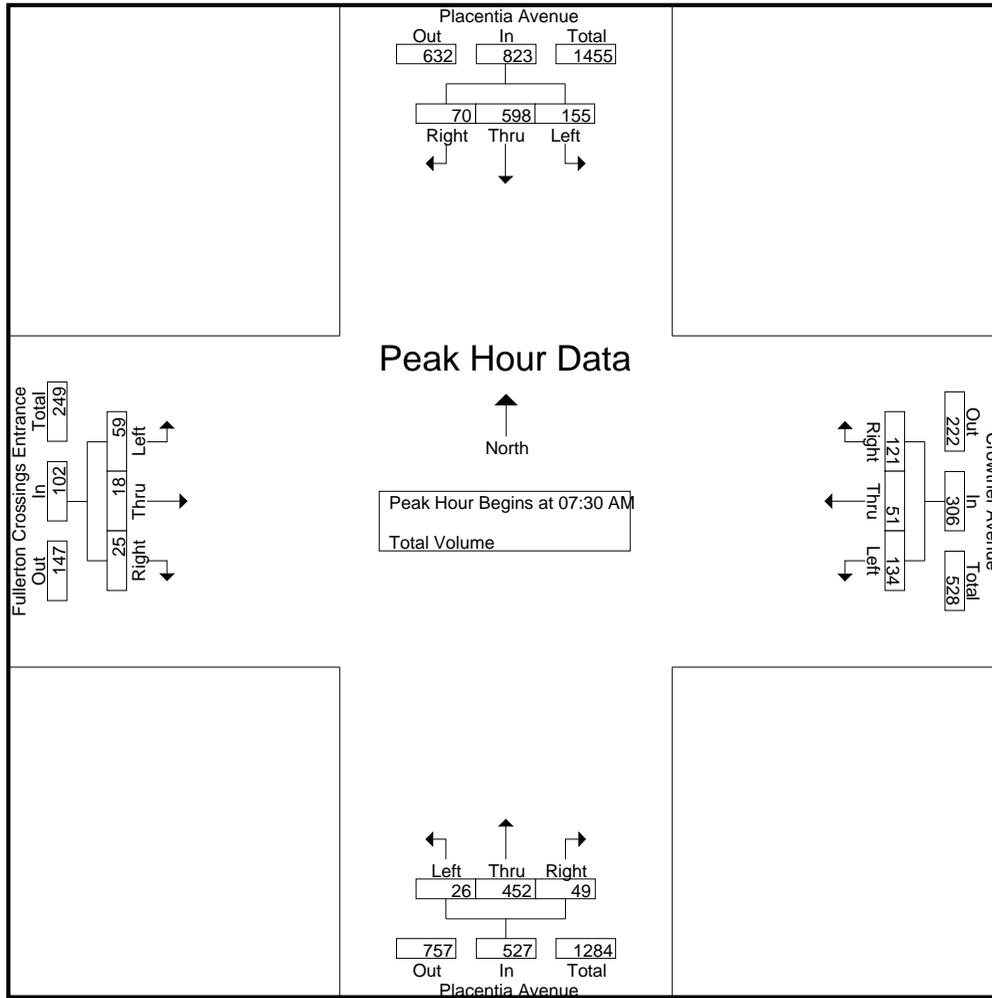
Groups Printed- Total Volume

| Start Time         | Placentia Avenue Southbound |             |            |             | Crowther Avenue Westbound |           |            |            | Placentia Avenue Northbound |            |            |            | Fullerton Crossings Entrance Eastbound |           |           |            | Int. Total  |
|--------------------|-----------------------------|-------------|------------|-------------|---------------------------|-----------|------------|------------|-----------------------------|------------|------------|------------|--|-----------|-----------|------------|-------------|
|                    | Left                        | Thru        | Right      | App. Total  | Left                      | Thru      | Right      | App. Total | Left                        | Thru       | Right      | App. Total | Left                                   | Thru      | Right     | App. Total |             |
| 07:00 AM           | 34                          | 112         | 24         | 170         | 15                        | 8         | 13         | 36         | 6                           | 54         | 12         | 72         | 9                                      | 4         | 5         | 18         | 296         |
| 07:15 AM           | 48                          | 131         | 19         | 198         | 27                        | 12        | 10         | 49         | 4                           | 72         | 7          | 83         | 16                                     | 4         | 13        | 33         | 363         |
| 07:30 AM           | 36                          | 140         | 13         | 189         | 33                        | 8         | 22         | 63         | 6                           | 136        | 9          | 151        | 12                                     | 3         | 8         | 23         | 426         |
| 07:45 AM           | 47                          | 191         | 17         | 255         | 44                        | 16        | 47         | 107        | 3                           | 127        | 18         | 148        | 7                                      | 1         | 4         | 12         | 522         |
| <b>Total</b>       | <b>165</b>                  | <b>574</b>  | <b>73</b>  | <b>812</b>  | <b>119</b>                | <b>44</b> | <b>92</b>  | <b>255</b> | <b>19</b>                   | <b>389</b> | <b>46</b>  | <b>454</b> | <b>44</b>                              | <b>12</b> | <b>30</b> | <b>86</b>  | <b>1607</b> |
| 08:00 AM           | 40                          | 145         | 15         | 200         | 36                        | 14        | 33         | 83         | 7                           | 106        | 13         | 126        | 17                                     | 6         | 8         | 31         | 440         |
| 08:15 AM           | 32                          | 122         | 25         | 179         | 21                        | 13        | 19         | 53         | 10                          | 83         | 9          | 102        | 23                                     | 8         | 5         | 36         | 370         |
| 08:30 AM           | 18                          | 152         | 21         | 191         | 24                        | 12        | 15         | 51         | 14                          | 66         | 19         | 99         | 15                                     | 15        | 14        | 44         | 385         |
| 08:45 AM           | 23                          | 121         | 14         | 158         | 16                        | 10        | 13         | 39         | 7                           | 62         | 22         | 91         | 15                                     | 11        | 16        | 42         | 330         |
| <b>Total</b>       | <b>113</b>                  | <b>540</b>  | <b>75</b>  | <b>728</b>  | <b>97</b>                 | <b>49</b> | <b>80</b>  | <b>226</b> | <b>38</b>                   | <b>317</b> | <b>63</b>  | <b>418</b> | <b>70</b>                              | <b>40</b> | <b>43</b> | <b>153</b> | <b>1525</b> |
| <b>Grand Total</b> | <b>278</b>                  | <b>1114</b> | <b>148</b> | <b>1540</b> | <b>216</b>                | <b>93</b> | <b>172</b> | <b>481</b> | <b>57</b>                   | <b>706</b> | <b>109</b> | <b>872</b> | <b>114</b>                             | <b>52</b> | <b>73</b> | <b>239</b> | <b>3132</b> |
| Apprch %           | 18.1                        | 72.3        | 9.6        |             | 44.9                      | 19.3      | 35.8       |            | 6.5                         | 81         | 12.5       |            | 47.7                                   | 21.8      | 30.5      |            |             |
| Total %            | 8.9                         | 35.6        | 4.7        | 49.2        | 6.9                       | 3         | 5.5        | 15.4       | 1.8                         | 22.5       | 3.5        | 27.8       | 3.6                                    | 1.7       | 2.3       | 7.6        |             |

| Start Time   | Placentia Avenue Southbound |            |           |            | Crowther Avenue Westbound |           |           |            | Placentia Avenue Northbound |            |           |            | Fullerton Crossings Entrance Eastbound |          |          |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|---------------------------|-----------|-----------|------------|-----------------------------|------------|-----------|------------|--|----------|----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                      | Thru      | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                                   | Thru     | Right    | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |            |           |            |                           |           |           |            |                             |            |           |            |  |          |          |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |            |           |            |                           |           |           |            |                             |            |           |            |  |          |          |            |            |
| 07:30 AM   | 36                          | 140        | 13        | 189        | 33                        | 8         | 22        | 63         | 6                           | <b>136</b> | 9         | <b>151</b> | 12                                     | 3        | <b>8</b> | 23         | 426        |
| 07:45 AM   | <b>47</b>                   | <b>191</b> | 17        | <b>255</b> | <b>44</b>                 | <b>16</b> | <b>47</b> | <b>107</b> | 3                           | 127        | <b>18</b> | 148        | 7                                      | 1        | 4        | 12         | <b>522</b> |
| 08:00 AM   | 40                          | 145        | 15        | 200        | 36                        | 14        | 33        | 83         | 7                           | 106        | 13        | 126        | 17                                     | 6        | 8        | 31         | 440        |
| 08:15 AM   | 32                          | 122        | <b>25</b> | 179        | 21                        | 13        | 19        | 53         | <b>10</b>                   | 83         | 9         | 102        | <b>23</b>                              | <b>8</b> | 5        | <b>36</b>  | 370        |
| Total Volume   | 155                         | 598        | 70        | 823        | 134                       | 51        | 121       | 306        | 26                          | 452        | 49        | 527        | 59                                     | 18       | 25       | 102        | 1758       |
| % App. Total   | 18.8                        | 72.7       | 8.5       |            | 43.8                      | 16.7      | 39.5      |            | 4.9                         | 85.8       | 9.3       |            | 57.8                                   | 17.6     | 24.5     |            |            |
| PHF  | .824                        | .783       | .700      | .807       | .761                      | .797      | .644      | .715       | .650                        | .831       | .681      | .873       | .641                                   | .563     | .781     | .708       | .842       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Fullerton Crossings/Crowther Avenue  
 Weather: Clear

File Name : 26PLAPLCRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |           |            | 07:30 AM  |           |           |            | 07:30 AM  |            |           |            | 08:00 AM  |           |           |           |
|--------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | <b>48</b> | 131        | <b>19</b> | 198        | 33        | 8         | 22        | 63         | 6         | <b>136</b> | 9         | <b>151</b> | 17        | 6         | 8         | 31        |
| +15 mins.    | 36        | 140        | 13        | 189        | <b>44</b> | <b>16</b> | <b>47</b> | <b>107</b> | 3         | 127        | <b>18</b> | 148        | <b>23</b> | 8         | 5         | 36        |
| +30 mins.    | 47        | <b>191</b> | 17        | <b>255</b> | 36        | 14        | 33        | 83         | 7         | 106        | 13        | 126        | 15        | <b>15</b> | 14        | <b>44</b> |
| +45 mins.    | 40        | 145        | 15        | 200        | 21        | 13        | 19        | 53         | <b>10</b> | 83         | 9         | 102        | 15        | 11        | <b>16</b> | 42        |
| Total Volume | 171       | 607        | 64        | 842        | 134       | 51        | 121       | 306        | 26        | 452        | 49        | 527        | 70        | 40        | 43        | 153       |
| % App. Total | 20.3      | 72.1       | 7.6       |            | 43.8      | 16.7      | 39.5      |            | 4.9       | 85.8       | 9.3       |            | 45.8      | 26.1      | 28.1      |           |
| PHF          | .891      | .795       | .842      | .825       | .761      | .797      | .644      | .715       | .650      | .831       | .681      | .873       | .761      | .667      | .672      | .869      |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Fullerton Crossings/Crowther Avenue  
 Weather: Clear

File Name : 26PLAPLCRPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

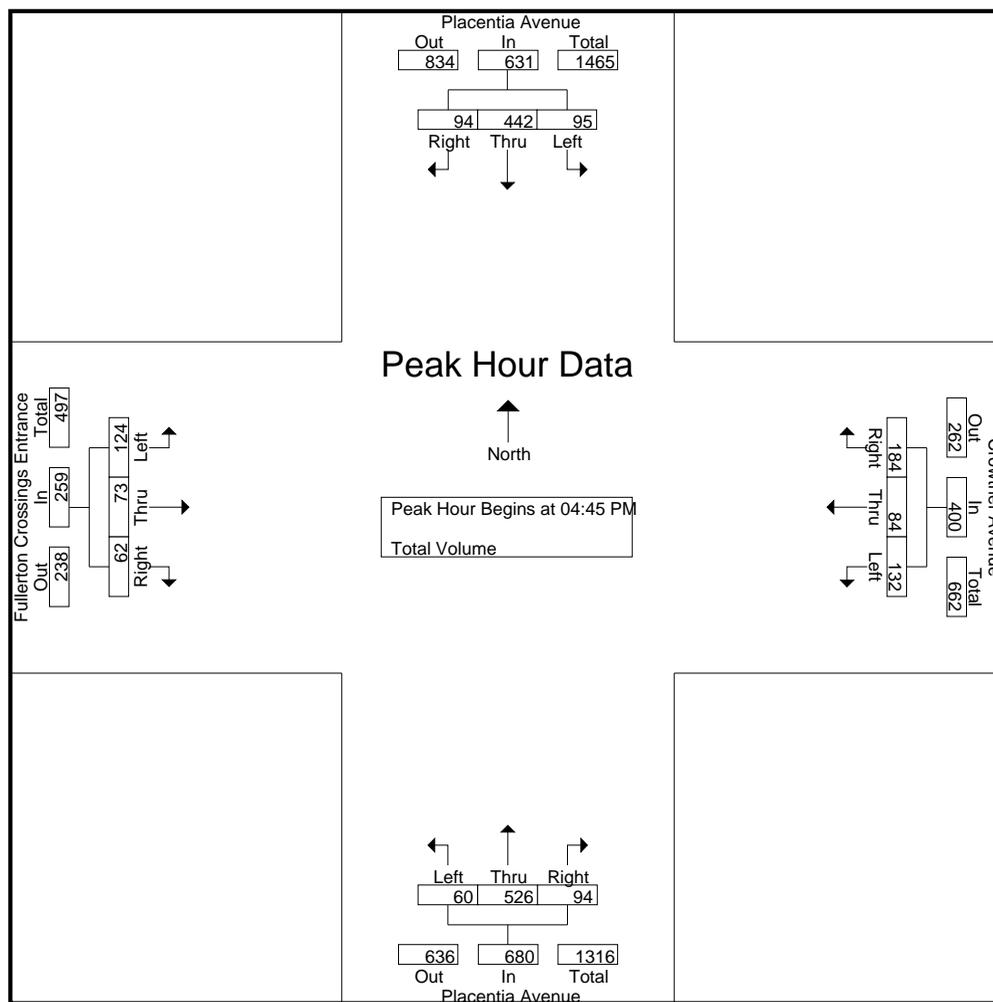
Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Fullerton Crossings Entrance Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|-----------------------------|------|-------|------------|--|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                                   | Thru | Right | App. Total |            |
| 04:00 PM    | 24                          | 106  | 27    | 157        | 27                        | 13   | 44    | 84         | 13                          | 115  | 27    | 155        | 29                                     | 17   | 14    | 60         | 456        |
| 04:15 PM    | 27                          | 131  | 35    | 193        | 37                        | 17   | 34    | 88         | 14                          | 87   | 34    | 135        | 33                                     | 23   | 17    | 73         | 489        |
| 04:30 PM    | 24                          | 73   | 26    | 123        | 31                        | 11   | 45    | 87         | 11                          | 127  | 29    | 167        | 18                                     | 14   | 24    | 56         | 433        |
| 04:45 PM    | 30                          | 93   | 27    | 150        | 25                        | 29   | 46    | 100        | 19                          | 112  | 24    | 155        | 35                                     | 18   | 15    | 68         | 473        |
| Total       | 105                         | 403  | 115   | 623        | 120                       | 70   | 169   | 359        | 57                          | 441  | 114   | 612        | 115                                    | 72   | 70    | 257        | 1851       |
| 05:00 PM    | 22                          | 114  | 25    | 161        | 45                        | 25   | 51    | 121        | 14                          | 145  | 29    | 188        | 30                                     | 21   | 9     | 60         | 530        |
| 05:15 PM    | 20                          | 116  | 20    | 156        | 31                        | 14   | 47    | 92         | 12                          | 130  | 24    | 166        | 30                                     | 21   | 22    | 73         | 487        |
| 05:30 PM    | 23                          | 119  | 22    | 164        | 31                        | 16   | 40    | 87         | 15                          | 139  | 17    | 171        | 29                                     | 13   | 16    | 58         | 480        |
| 05:45 PM    | 16                          | 140  | 31    | 187        | 29                        | 13   | 39    | 81         | 11                          | 108  | 26    | 145        | 18                                     | 14   | 18    | 50         | 463        |
| Total       | 81                          | 489  | 98    | 668        | 136                       | 68   | 177   | 381        | 52                          | 522  | 96    | 670        | 107                                    | 69   | 65    | 241        | 1960       |
| Grand Total | 186                         | 892  | 213   | 1291       | 256                       | 138  | 346   | 740        | 109                         | 963  | 210   | 1282       | 222                                    | 141  | 135   | 498        | 3811       |
| Apprch %    | 14.4                        | 69.1 | 16.5  |            | 34.6                      | 18.6 | 46.8  |            | 8.5                         | 75.1 | 16.4  |            | 44.6                                   | 28.3 | 27.1  |            |            |
| Total %     | 4.9                         | 23.4 | 5.6   | 33.9       | 6.7                       | 3.6  | 9.1   | 19.4       | 2.9                         | 25.3 | 5.5   | 33.6       | 5.8                                    | 3.7  | 3.5   | 13.1       |            |

| Start Time   | Placentia Avenue Southbound |            |           |            | Crowther Avenue Westbound |      |           |            | Placentia Avenue Northbound |            |           |            | Fullerton Crossings Entrance Eastbound |           |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|---------------------------|------|-----------|------------|-----------------------------|------------|-----------|------------|--|-----------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                      | Thru | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                                   | Thru      | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |            |           |            |                           |      |           |            |                             |            |           |            |  |           |           |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                             |            |           |            |                           |      |           |            |                             |            |           |            |  |           |           |            |            |
| 04:45 PM   | <b>30</b>                   | 93         | <b>27</b> | 150        | 25                        | 29   | 46        | 100        | <b>19</b>                   | 112        | 24        | 155        | <b>35</b>                              | 18        | 15        | 68         | 473        |
| 05:00 PM   | 22                          | 114        | 25        | 161        | <b>45</b>                 | 25   | <b>51</b> | <b>121</b> | 14                          | <b>145</b> | <b>29</b> | <b>188</b> | 30                                     | <b>21</b> | 9         | 60         | <b>530</b> |
| 05:15 PM   | 20                          | 116        | 20        | 156        | 31                        | 14   | 47        | 92         | 12                          | 130        | 24        | 166        | 30                                     | 21        | <b>22</b> | <b>73</b>  | 487        |
| 05:30 PM   | 23                          | <b>119</b> | 22        | <b>164</b> | 31                        | 16   | 40        | 87         | 15                          | 139        | 17        | 171        | 29                                     | 13        | 16        | 58         | 480        |
| Total Volume   | 95                          | 442        | 94        | 631        | 132                       | 84   | 184       | 400        | 60                          | 526        | 94        | 680        | 124                                    | 73        | 62        | 259        | 1970       |
| % App. Total   | 15.1                        | 70         | 14.9      |            | 33                        | 21   | 46        |            | 8.8                         | 77.4       | 13.8      |            | 47.9                                   | 28.2      | 23.9      |            |            |
| PHF  | .792                        | .929       | .870      | .962       | .733                      | .724 | .902      | .826       | .789                        | .907       | .810      | .904       | .886                                   | .869      | .705      | .887       | .929       |

City of Placentia  
 N/S: Placentia Avenue  
 E/W: Fullerton Crossings/Crowther Avenue  
 Weather: Clear

File Name : 26PLAPLCRPM  
 Site Code : 22117718  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM  |            |           |            | 04:30 PM  |           |           |            | 04:45 PM  |            |           |            | 04:45 PM  |           |           |           |
|--------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | 22        | 114        | 25        | 161        | 31        | 11        | 45        | 87         | <b>19</b> | 112        | 24        | 155        | <b>35</b> | 18        | 15        | 68        |
| +15 mins.    | 20        | 116        | 20        | 156        | 25        | <b>29</b> | 46        | 100        | 14        | <b>145</b> | <b>29</b> | <b>188</b> | 30        | <b>21</b> | 9         | 60        |
| +30 mins.    | <b>23</b> | 119        | 22        | 164        | <b>45</b> | 25        | <b>51</b> | <b>121</b> | 12        | 130        | 24        | 166        | 30        | 21        | <b>22</b> | <b>73</b> |
| +45 mins.    | 16        | <b>140</b> | <b>31</b> | <b>187</b> | 31        | 14        | 47        | 92         | 15        | 139        | 17        | 171        | 29        | 13        | 16        | 58        |
| Total Volume | 81        | 489        | 98        | 668        | 132       | 79        | 189       | 400        | 60        | 526        | 94        | 680        | 124       | 73        | 62        | 259       |
| % App. Total | 12.1      | 73.2       | 14.7      |            | 33        | 19.8      | 47.2      |            | 8.8       | 77.4       | 13.8      |            | 47.9      | 28.2      | 23.9      |           |
| PHF          | .880      | .873       | .790      | .893       | .733      | .681      | .926      | .826       | .789      | .907       | .810      | .904       | .886      | .869      | .705      | .887      |

City of Placentia  
 N/S: Melrose Street  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 27PLAMECRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

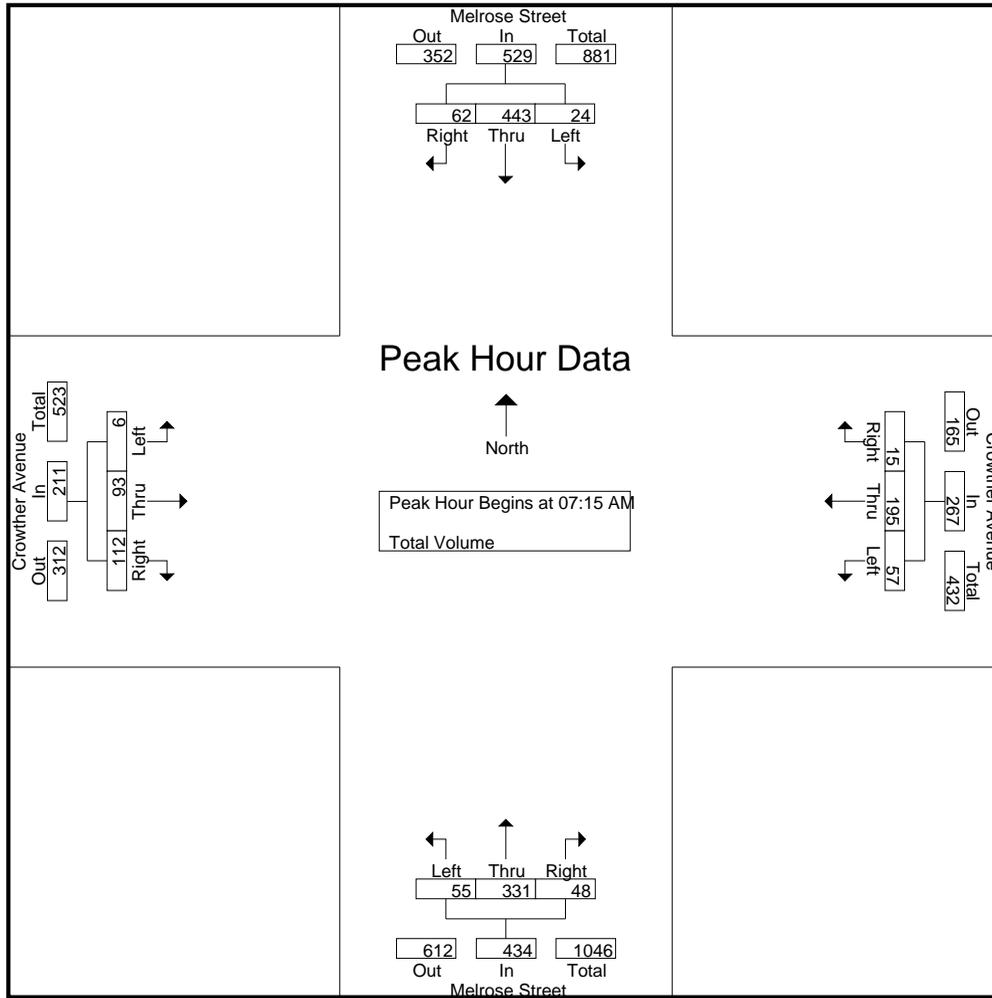
Groups Printed- Total Volume

| Start Time  | Melrose Street Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 07:00 AM    | 3                         | 59   | 7     | 69         | 10                        | 21   | 1     | 32         | 14                        | 36   | 14    | 64         | 2                         | 10   | 22    | 34         | 199        |
| 07:15 AM    | 7                         | 83   | 15    | 105        | 12                        | 30   | 0     | 42         | 6                         | 74   | 12    | 92         | 1                         | 24   | 33    | 58         | 297        |
| 07:30 AM    | 7                         | 124  | 13    | 144        | 10                        | 38   | 6     | 54         | 15                        | 139  | 7     | 161        | 2                         | 21   | 23    | 46         | 405        |
| 07:45 AM    | 3                         | 131  | 22    | 156        | 15                        | 74   | 2     | 91         | 13                        | 80   | 15    | 108        | 2                         | 27   | 28    | 57         | 412        |
| Total       | 20                        | 397  | 57    | 474        | 47                        | 163  | 9     | 219        | 48                        | 329  | 48    | 425        | 7                         | 82   | 106   | 195        | 1313       |
| 08:00 AM    | 7                         | 105  | 12    | 124        | 20                        | 53   | 7     | 80         | 21                        | 38   | 14    | 73         | 1                         | 21   | 28    | 50         | 327        |
| 08:15 AM    | 7                         | 50   | 7     | 64         | 5                         | 34   | 7     | 46         | 12                        | 30   | 6     | 48         | 3                         | 21   | 24    | 48         | 206        |
| 08:30 AM    | 5                         | 44   | 11    | 60         | 11                        | 30   | 2     | 43         | 10                        | 35   | 11    | 56         | 2                         | 25   | 17    | 44         | 203        |
| 08:45 AM    | 3                         | 44   | 5     | 52         | 8                         | 32   | 2     | 42         | 8                         | 27   | 7     | 42         | 5                         | 36   | 17    | 58         | 194        |
| Total       | 22                        | 243  | 35    | 300        | 44                        | 149  | 18    | 211        | 51                        | 130  | 38    | 219        | 11                        | 103  | 86    | 200        | 930        |
| Grand Total | 42                        | 640  | 92    | 774        | 91                        | 312  | 27    | 430        | 99                        | 459  | 86    | 644        | 18                        | 185  | 192   | 395        | 2243       |
| Apprch %    | 5.4                       | 82.7 | 11.9  |            | 21.2                      | 72.6 | 6.3   |            | 15.4                      | 71.3 | 13.4  |            | 4.6                       | 46.8 | 48.6  |            |            |
| Total %     | 1.9                       | 28.5 | 4.1   | 34.5       | 4.1                       | 13.9 | 1.2   | 19.2       | 4.4                       | 20.5 | 3.8   | 28.7       | 0.8                       | 8.2  | 8.6   | 17.6       |            |

| Start Time   | Melrose Street Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                           |      |       |            |                           |      |       |            |                           |      |       |            |                           |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                           |      |       |            |                           |      |       |            |                           |      |       |            |                           |      |       |            |            |
| 07:15 AM   | 7                         | 83   | 15    | 105        | 12                        | 30   | 0     | 42         | 6                         | 74   | 12    | 92         | 1                         | 24   | 33    | 58         | 297        |
| 07:30 AM   | 7                         | 124  | 13    | 144        | 10                        | 38   | 6     | 54         | 15                        | 139  | 7     | 161        | 2                         | 21   | 23    | 46         | 405        |
| 07:45 AM   | 3                         | 131  | 22    | 156        | 15                        | 74   | 2     | 91         | 13                        | 80   | 15    | 108        | 2                         | 27   | 28    | 57         | 412        |
| 08:00 AM   | 7                         | 105  | 12    | 124        | 20                        | 53   | 7     | 80         | 21                        | 38   | 14    | 73         | 1                         | 21   | 28    | 50         | 327        |
| Total Volume   | 24                        | 443  | 62    | 529        | 57                        | 195  | 15    | 267        | 55                        | 331  | 48    | 434        | 6                         | 93   | 112   | 211        | 1441       |
| % App. Total   | 4.5                       | 83.7 | 11.7  |            | 21.3                      | 73   | 5.6   |            | 12.7                      | 76.3 | 11.1  |            | 2.8                       | 44.1 | 53.1  |            |            |
| PHF  | .857                      | .845 | .705  | .848       | .713                      | .659 | .536  | .734       | .655                      | .595 | .800  | .674       | .750                      | .861 | .848  | .909       | .874       |

City of Placentia  
 N/S: Melrose Street  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 27PLAMECRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 7        | 83   | 15   | 105  | 10       | 38   | 6    | 54   | 6        | 74   | 12   | 92   | 1        | 24   | 33   | 58   |
| +15 mins.    | 7        | 124  | 13   | 144  | 15       | 74   | 2    | 91   | 15       | 139  | 7    | 161  | 2        | 21   | 23   | 46   |
| +30 mins.    | 3        | 131  | 22   | 156  | 20       | 53   | 7    | 80   | 13       | 80   | 15   | 108  | 2        | 27   | 28   | 57   |
| +45 mins.    | 7        | 105  | 12   | 124  | 5        | 34   | 7    | 46   | 21       | 38   | 14   | 73   | 1        | 21   | 28   | 50   |
| Total Volume | 24       | 443  | 62   | 529  | 50       | 199  | 22   | 271  | 55       | 331  | 48   | 434  | 6        | 93   | 112  | 211  |
| % App. Total | 4.5      | 83.7 | 11.7 |      | 18.5     | 73.4 | 8.1  |      | 12.7     | 76.3 | 11.1 |      | 2.8      | 44.1 | 53.1 |      |
| PHF          | .857     | .845 | .705 | .848 | .625     | .672 | .786 | .745 | .655     | .595 | .800 | .674 | .750     | .861 | .848 | .909 |

City of Placentia  
 N/S: Melrose Street  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 27PLAMECRPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Melrose Street Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 04:00 PM    | 2                         | 51   | 7     | 60         | 13                        | 48   | 6     | 67         | 5                         | 68   | 16    | 89         | 8                         | 46   | 23    | 77         | 293        |
| 04:15 PM    | 2                         | 46   | 10    | 58         | 15                        | 36   | 9     | 60         | 27                        | 76   | 14    | 117        | 9                         | 42   | 27    | 78         | 313        |
| 04:30 PM    | 5                         | 35   | 9     | 49         | 22                        | 43   | 19    | 84         | 24                        | 77   | 4     | 105        | 7                         | 39   | 21    | 67         | 305        |
| 04:45 PM    | 1                         | 48   | 5     | 54         | 7                         | 51   | 13    | 71         | 33                        | 69   | 7     | 109        | 7                         | 42   | 21    | 70         | 304        |
| Total       | 10                        | 180  | 31    | 221        | 57                        | 178  | 47    | 282        | 89                        | 290  | 41    | 420        | 31                        | 169  | 92    | 292        | 1215       |
| 05:00 PM    | 1                         | 46   | 8     | 55         | 9                         | 58   | 9     | 76         | 41                        | 94   | 10    | 145        | 10                        | 47   | 14    | 71         | 347        |
| 05:15 PM    | 2                         | 55   | 11    | 68         | 3                         | 38   | 11    | 52         | 29                        | 96   | 9     | 134        | 6                         | 42   | 13    | 61         | 315        |
| 05:30 PM    | 1                         | 62   | 8     | 71         | 8                         | 52   | 14    | 74         | 26                        | 67   | 2     | 95         | 9                         | 35   | 14    | 58         | 298        |
| 05:45 PM    | 5                         | 34   | 7     | 46         | 8                         | 48   | 7     | 63         | 23                        | 63   | 7     | 93         | 6                         | 35   | 18    | 59         | 261        |
| Total       | 9                         | 197  | 34    | 240        | 28                        | 196  | 41    | 265        | 119                       | 320  | 28    | 467        | 31                        | 159  | 59    | 249        | 1221       |
| Grand Total | 19                        | 377  | 65    | 461        | 85                        | 374  | 88    | 547        | 208                       | 610  | 69    | 887        | 62                        | 328  | 151   | 541        | 2436       |
| Apprch %    | 4.1                       | 81.8 | 14.1  |            | 15.5                      | 68.4 | 16.1  |            | 23.4                      | 68.8 | 7.8   |            | 11.5                      | 60.6 | 27.9  |            |            |
| Total %     | 0.8                       | 15.5 | 2.7   | 18.9       | 3.5                       | 15.4 | 3.6   | 22.5       | 8.5                       | 25   | 2.8   | 36.4       | 2.5                       | 13.5 | 6.2   | 22.2       |            |

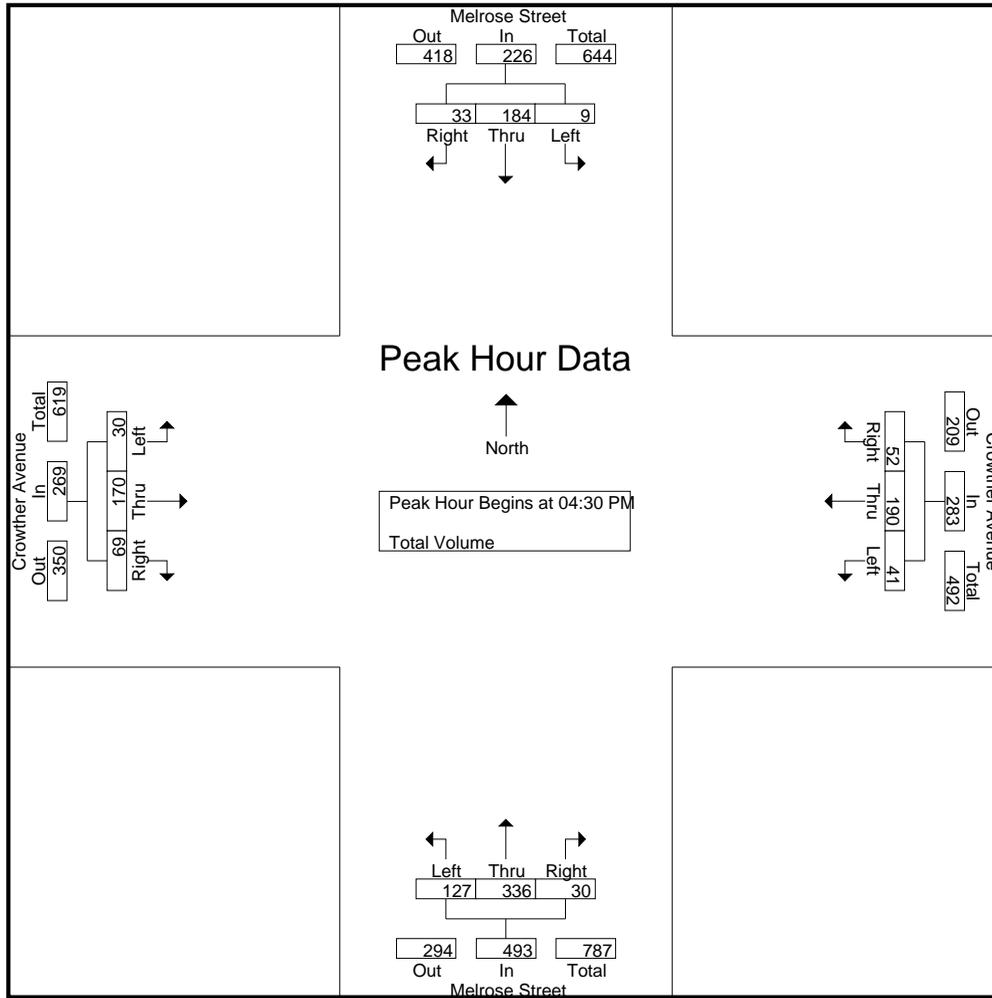
| Start Time   | Melrose Street Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|--------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|              | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 04:30 PM     | 5                         | 35   | 9     | 49         | 22                        | 43   | 19    | 84         | 24                        | 77   | 4     | 105        | 7                         | 39   | 21    | 67         | 305        |
| 04:45 PM     | 1                         | 48   | 5     | 54         | 7                         | 51   | 13    | 71         | 33                        | 69   | 7     | 109        | 7                         | 42   | 21    | 70         | 304        |
| 05:00 PM     | 1                         | 46   | 8     | 55         | 9                         | 58   | 9     | 76         | 41                        | 94   | 10    | 145        | 10                        | 47   | 14    | 71         | 347        |
| 05:15 PM     | 2                         | 55   | 11    | 68         | 3                         | 38   | 11    | 52         | 29                        | 96   | 9     | 134        | 6                         | 42   | 13    | 61         | 315        |
| Total Volume | 9                         | 184  | 33    | 226        | 41                        | 190  | 52    | 283        | 127                       | 336  | 30    | 493        | 30                        | 170  | 69    | 269        | 1271       |
| % App. Total | 4                         | 81.4 | 14.6  |            | 14.5                      | 67.1 | 18.4  |            | 25.8                      | 68.2 | 6.1   |            | 11.2                      | 63.2 | 25.7  |            |            |
| PHF          | .450                      | .836 | .750  | .831       | .466                      | .819 | .684  | .842       | .774                      | .875 | .750  | .850       | .750                      | .904 | .821  | .947       | .916       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:30 PM

City of Placentia  
 N/S: Melrose Street  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 27PLAMECRPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM |           |           |           | 04:15 PM  |           |           |           | 04:30 PM  |           |           |            | 04:00 PM |           |           |           |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------------|----------|-----------|-----------|-----------|
| +0 mins.     | 1        | 48        | 5         | 54        | 15        | 36        | 9         | 60        | 24        | 77        | 4         | 105        | 8        | <b>46</b> | 23        | 77        |
| +15 mins.    | 1        | 46        | 8         | 55        | <b>22</b> | 43        | <b>19</b> | <b>84</b> | 33        | 69        | 7         | 109        | <b>9</b> | 42        | <b>27</b> | <b>78</b> |
| +30 mins.    | <b>2</b> | 55        | <b>11</b> | 68        | 7         | 51        | 13        | 71        | <b>41</b> | 94        | <b>10</b> | <b>145</b> | 7        | 39        | 21        | 67        |
| +45 mins.    | 1        | <b>62</b> | 8         | <b>71</b> | 9         | <b>58</b> | 9         | 76        | 29        | <b>96</b> | 9         | 134        | 7        | 42        | 21        | 70        |
| Total Volume | 5        | 211       | 32        | 248       | 53        | 188       | 50        | 291       | 127       | 336       | 30        | 493        | 31       | 169       | 92        | 292       |
| % App. Total | 2        | 85.1      | 12.9      |           | 18.2      | 64.6      | 17.2      |           | 25.8      | 68.2      | 6.1       |            | 10.6     | 57.9      | 31.5      |           |
| PHF          | .625     | .851      | .727      | .873      | .602      | .810      | .658      | .866      | .774      | .875      | .750      | .850       | .861     | .918      | .852      | .936      |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 28PLAKRCRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

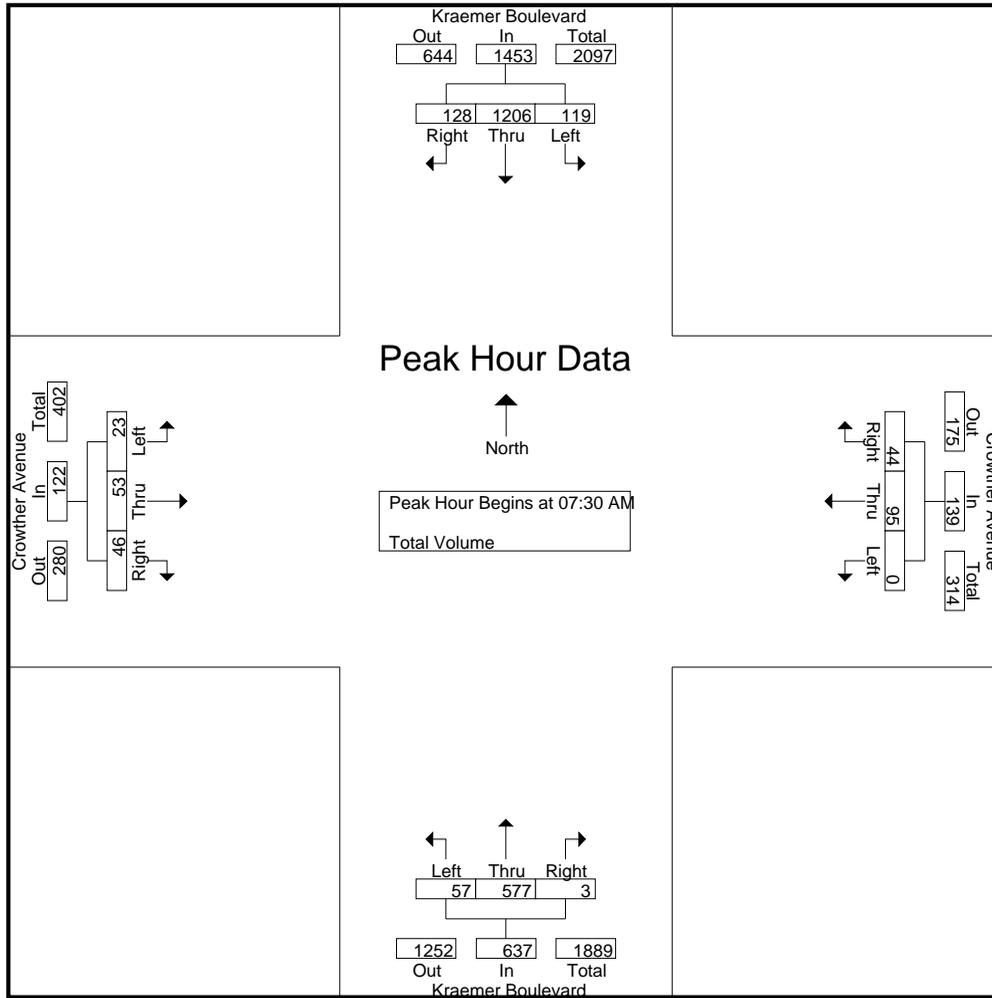
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 07:00 AM    | 15                           | 270  | 18    | 303        | 0                         | 9    | 4     | 13         | 4                            | 55   | 0     | 59         | 6                         | 5    | 5     | 16         | 391        |
| 07:15 AM    | 25                           | 282  | 33    | 340        | 0                         | 11   | 8     | 19         | 6                            | 110  | 0     | 116        | 5                         | 11   | 8     | 24         | 499        |
| 07:30 AM    | 23                           | 266  | 22    | 311        | 0                         | 21   | 20    | 41         | 14                           | 167  | 1     | 182        | 7                         | 17   | 9     | 33         | 567        |
| 07:45 AM    | 46                           | 330  | 53    | 429        | 0                         | 37   | 5     | 42         | 12                           | 159  | 0     | 171        | 4                         | 15   | 10    | 29         | 671        |
| Total       | 109                          | 1148 | 126   | 1383       | 0                         | 78   | 37    | 115        | 36                           | 491  | 1     | 528        | 22                        | 48   | 32    | 102        | 2128       |
| 08:00 AM    | 22                           | 336  | 32    | 390        | 0                         | 18   | 10    | 28         | 21                           | 131  | 2     | 154        | 6                         | 10   | 12    | 28         | 600        |
| 08:15 AM    | 28                           | 274  | 21    | 323        | 0                         | 19   | 9     | 28         | 10                           | 120  | 0     | 130        | 6                         | 11   | 15    | 32         | 513        |
| 08:30 AM    | 17                           | 226  | 23    | 266        | 0                         | 17   | 11    | 28         | 3                            | 119  | 2     | 124        | 6                         | 16   | 8     | 30         | 448        |
| 08:45 AM    | 20                           | 234  | 16    | 270        | 0                         | 15   | 6     | 21         | 5                            | 103  | 0     | 108        | 10                        | 27   | 11    | 48         | 447        |
| Total       | 87                           | 1070 | 92    | 1249       | 0                         | 69   | 36    | 105        | 39                           | 473  | 4     | 516        | 28                        | 64   | 46    | 138        | 2008       |
| Grand Total | 196                          | 2218 | 218   | 2632       | 0                         | 147  | 73    | 220        | 75                           | 964  | 5     | 1044       | 50                        | 112  | 78    | 240        | 4136       |
| Apprch %    | 7.4                          | 84.3 | 8.3   |            | 0                         | 66.8 | 33.2  |            | 7.2                          | 92.3 | 0.5   |            | 20.8                      | 46.7 | 32.5  |            |            |
| Total %     | 4.7                          | 53.6 | 5.3   | 63.6       | 0                         | 3.6  | 1.8   | 5.3        | 1.8                          | 23.3 | 0.1   | 25.2       | 1.2                       | 2.7  | 1.9   | 5.8        |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |      |       |            |                           |      |       |            |                              |      |       |            |                           |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |      |       |            |                           |      |       |            |                              |      |       |            |                           |      |       |            |            |
| 07:30 AM   | 23                           | 266  | 22    | 311        | 0                         | 21   | 20    | 41         | 14                           | 167  | 1     | 182        | 7                         | 17   | 9     | 33         | 567        |
| 07:45 AM   | 46                           | 330  | 53    | 429        | 0                         | 37   | 5     | 42         | 12                           | 159  | 0     | 171        | 4                         | 15   | 10    | 29         | 671        |
| 08:00 AM   | 22                           | 336  | 32    | 390        | 0                         | 18   | 10    | 28         | 21                           | 131  | 2     | 154        | 6                         | 10   | 12    | 28         | 600        |
| 08:15 AM   | 28                           | 274  | 21    | 323        | 0                         | 19   | 9     | 28         | 10                           | 120  | 0     | 130        | 6                         | 11   | 15    | 32         | 513        |
| Total Volume   | 119                          | 1206 | 128   | 1453       | 0                         | 95   | 44    | 139        | 57                           | 577  | 3     | 637        | 23                        | 53   | 46    | 122        | 2351       |
| % App. Total   | 8.2                          | 83   | 8.8   |            | 0                         | 68.3 | 31.7  |            | 8.9                          | 90.6 | 0.5   |            | 18.9                      | 43.4 | 37.7  |            |            |
| PHF  | .647                         | .897 | .604  | .847       | .000                      | .642 | .550  | .827       | .679                         | .864 | .375  | .875       | .821                      | .779 | .767  | .924       | .876       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 28PLAKRCRAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |           |            | 07:30 AM |           |           |           | 07:30 AM  |            |          |            | 08:00 AM  |           |           |           |
|--------------|-----------|------------|-----------|------------|----------|-----------|-----------|-----------|-----------|------------|----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | 25        | 282        | 33        | 340        | 0        | 21        | <b>20</b> | 41        | 14        | <b>167</b> | 1        | <b>182</b> | 6         | 10        | 12        | 28        |
| +15 mins.    | 23        | 266        | 22        | 311        | 0        | <b>37</b> | 5         | <b>42</b> | 12        | 159        | 0        | 171        | 6         | 11        | <b>15</b> | 32        |
| +30 mins.    | <b>46</b> | 330        | <b>53</b> | <b>429</b> | 0        | 18        | 10        | 28        | <b>21</b> | 131        | <b>2</b> | 154        | 6         | 16        | 8         | 30        |
| +45 mins.    | 22        | <b>336</b> | 32        | 390        | 0        | 19        | 9         | 28        | 10        | 120        | 0        | 130        | <b>10</b> | <b>27</b> | 11        | <b>48</b> |
| Total Volume | 116       | 1214       | 140       | 1470       | 0        | 95        | 44        | 139       | 57        | 577        | 3        | 637        | 28        | 64        | 46        | 138       |
| % App. Total | 7.9       | 82.6       | 9.5       |            | 0        | 68.3      | 31.7      |           | 8.9       | 90.6       | 0.5      |            | 20.3      | 46.4      | 33.3      |           |
| PHF          | .630      | .903       | .660      | .857       | .000     | .642      | .550      | .827      | .679      | .864       | .375     | .875       | .700      | .593      | .767      | .719      |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 28PLAKRCRPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

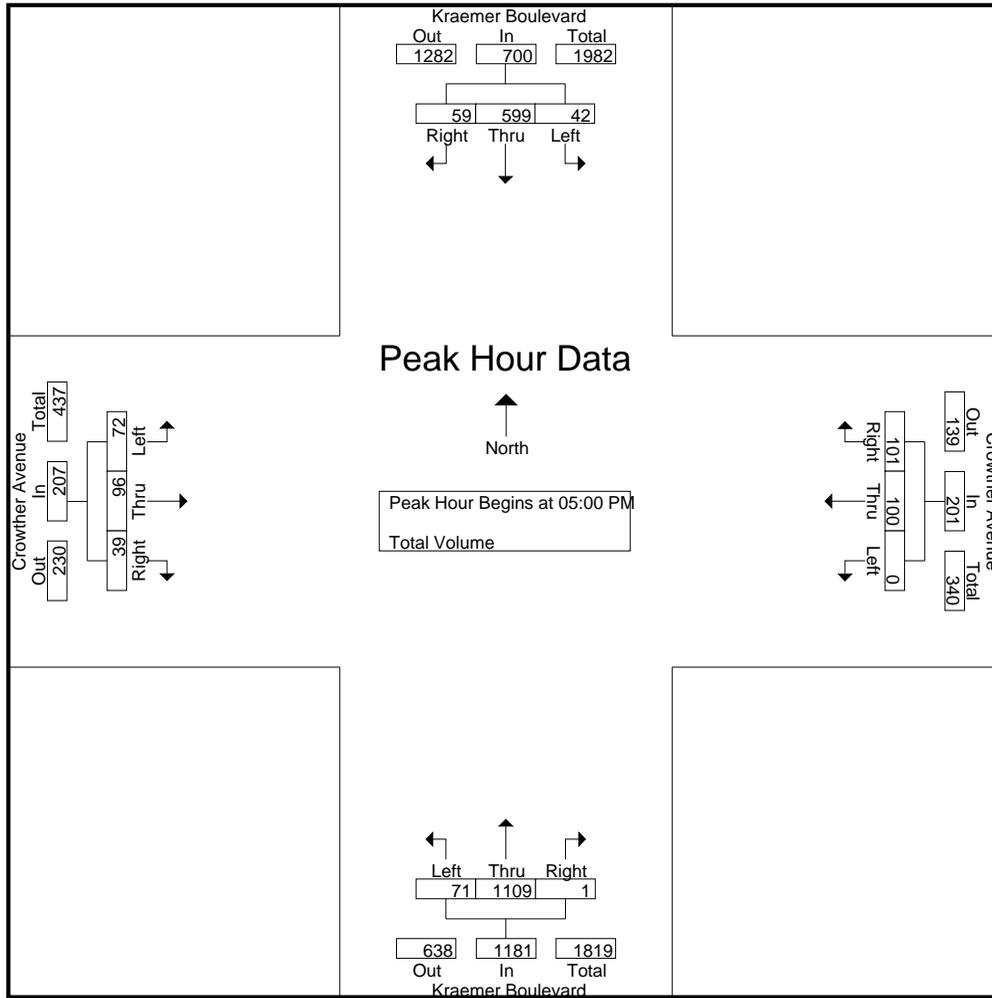
Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Crowther Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Crowther Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 04:00 PM    | 9                            | 174  | 18    | 201        | 0                         | 21   | 15    | 36         | 5                            | 218  | 0     | 223        | 26                        | 28   | 10    | 64         | 524        |
| 04:15 PM    | 8                            | 171  | 14    | 193        | 0                         | 22   | 21    | 43         | 14                           | 200  | 0     | 214        | 25                        | 21   | 7     | 53         | 503        |
| 04:30 PM    | 8                            | 170  | 10    | 188        | 0                         | 24   | 23    | 47         | 13                           | 253  | 1     | 267        | 20                        | 26   | 13    | 59         | 561        |
| 04:45 PM    | 13                           | 133  | 19    | 165        | 0                         | 30   | 24    | 54         | 14                           | 226  | 0     | 240        | 19                        | 26   | 7     | 52         | 511        |
| Total       | 38                           | 648  | 61    | 747        | 0                         | 97   | 83    | 180        | 46                           | 897  | 1     | 944        | 90                        | 101  | 37    | 228        | 2099       |
| 05:00 PM    | 10                           | 173  | 12    | 195        | 0                         | 27   | 25    | 52         | 17                           | 284  | 0     | 301        | 20                        | 26   | 13    | 59         | 607        |
| 05:15 PM    | 11                           | 142  | 10    | 163        | 0                         | 19   | 28    | 47         | 22                           | 283  | 0     | 305        | 26                        | 26   | 11    | 63         | 578        |
| 05:30 PM    | 13                           | 151  | 17    | 181        | 0                         | 22   | 24    | 46         | 17                           | 279  | 1     | 297        | 11                        | 22   | 6     | 39         | 563        |
| 05:45 PM    | 8                            | 133  | 20    | 161        | 0                         | 32   | 24    | 56         | 15                           | 263  | 0     | 278        | 15                        | 22   | 9     | 46         | 541        |
| Total       | 42                           | 599  | 59    | 700        | 0                         | 100  | 101   | 201        | 71                           | 1109 | 1     | 1181       | 72                        | 96   | 39    | 207        | 2289       |
| Grand Total | 80                           | 1247 | 120   | 1447       | 0                         | 197  | 184   | 381        | 117                          | 2006 | 2     | 2125       | 162                       | 197  | 76    | 435        | 4388       |
| Apprch %    | 5.5                          | 86.2 | 8.3   |            | 0                         | 51.7 | 48.3  |            | 5.5                          | 94.4 | 0.1   |            | 37.2                      | 45.3 | 17.5  |            |            |
| Total %     | 1.8                          | 28.4 | 2.7   | 33         | 0                         | 4.5  | 4.2   | 8.7        | 2.7                          | 45.7 | 0     | 48.4       | 3.7                       | 4.5  | 1.7   | 9.9        |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Crowther Avenue Westbound |           |           |            | Kraemer Boulevard Northbound |            |          |            | Crowther Avenue Eastbound |           |           |            | Int. Total |
|--|------------------------------|------------|-----------|------------|---------------------------|-----------|-----------|------------|------------------------------|------------|----------|------------|---------------------------|-----------|-----------|------------|------------|
|  | Left                         | Thru       | Right     | App. Total | Left                      | Thru      | Right     | App. Total | Left                         | Thru       | Right    | App. Total | Left                      | Thru      | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |            |           |            |                           |           |           |            |                              |            |          |            |                           |           |           |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                              |            |           |            |                           |           |           |            |                              |            |          |            |                           |           |           |            |            |
| 05:00 PM   | 10                           | <b>173</b> | 12        | <b>195</b> | 0                         | 27        | 25        | 52         | 17                           | <b>284</b> | 0        | 301        | 20                        | <b>26</b> | <b>13</b> | 59         | <b>607</b> |
| 05:15 PM   | 11                           | 142        | 10        | 163        | 0                         | 19        | <b>28</b> | 47         | <b>22</b>                    | 283        | 0        | <b>305</b> | <b>26</b>                 | 26        | 11        | <b>63</b>  | 578        |
| 05:30 PM   | <b>13</b>                    | 151        | 17        | 181        | 0                         | 22        | 24        | 46         | 17                           | 279        | <b>1</b> | 297        | 11                        | 22        | 6         | 39         | 563        |
| 05:45 PM   | 8                            | 133        | <b>20</b> | 161        | 0                         | <b>32</b> | 24        | <b>56</b>  | 15                           | 263        | 0        | 278        | 15                        | 22        | 9         | 46         | 541        |
| Total Volume   | 42                           | 599        | 59        | 700        | 0                         | 100       | 101       | 201        | 71                           | 1109       | 1        | 1181       | 72                        | 96        | 39        | 207        | 2289       |
| % App. Total   | 6                            | 85.6       | 8.4       |            | 0                         | 49.8      | 50.2      |            | 6                            | 93.9       | 0.1      |            | 34.8                      | 46.4      | 18.8      |            |            |
| PHF  | .808                         | .866       | .738      | .897       | .000                      | .781      | .902      | .897       | .807                         | .976       | .250     | .968       | .692                      | .923      | .750      | .821       | .943       |

City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Crowther Avenue  
 Weather: Clear

File Name : 28PLAKCRPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM  |            |           |            | 05:00 PM |           |           |           | 05:00 PM  |            |          |            | 04:30 PM  |           |           |           |
|--------------|-----------|------------|-----------|------------|----------|-----------|-----------|-----------|-----------|------------|----------|------------|-----------|-----------|-----------|-----------|
| +0 mins.     | 9         | <b>174</b> | 18        | <b>201</b> | 0        | 27        | 25        | 52        | 17        | <b>284</b> | 0        | 301        | 20        | <b>26</b> | <b>13</b> | 59        |
| +15 mins.    | 8         | 171        | 14        | 193        | 0        | 19        | <b>28</b> | 47        | <b>22</b> | 283        | 0        | <b>305</b> | 19        | 26        | 7         | 52        |
| +30 mins.    | 8         | 170        | 10        | 188        | 0        | 22        | 24        | 46        | 17        | 279        | <b>1</b> | 297        | 20        | 26        | 13        | 59        |
| +45 mins.    | <b>13</b> | 133        | <b>19</b> | 165        | 0        | <b>32</b> | 24        | <b>56</b> | 15        | 263        | 0        | 278        | <b>26</b> | 26        | 11        | <b>63</b> |
| Total Volume | 38        | 648        | 61        | 747        | 0        | 100       | 101       | 201       | 71        | 1109       | 1        | 1181       | 85        | 104       | 44        | 233       |
| % App. Total | 5.1       | 86.7       | 8.2       |            | 0        | 49.8      | 50.2      |           | 6         | 93.9       | 0.1      |            | 36.5      | 44.6      | 18.9      |           |
| PHF          | .731      | .931       | .803      | .929       | .000     | .781      | .902      | .897      | .807      | .976       | .250     | .968       | .817      | 1.000     | .846      | .925      |

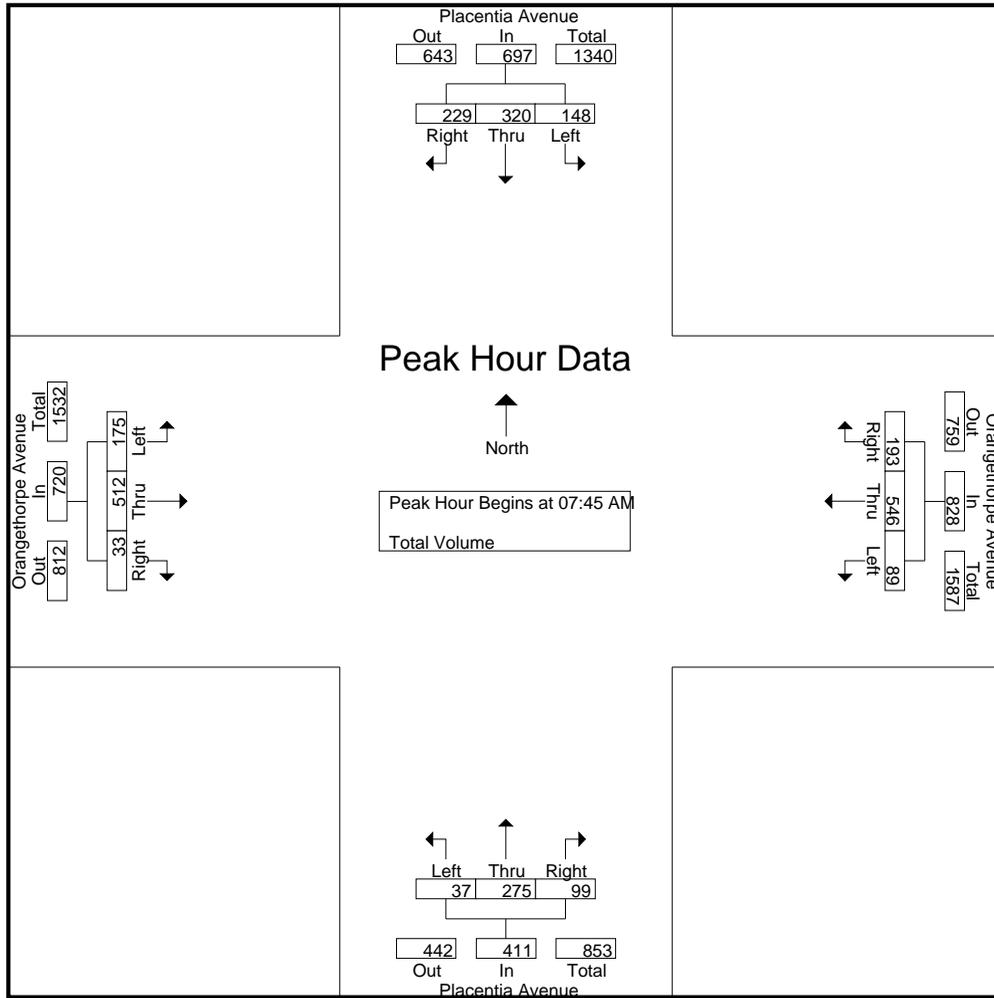
City of Placentia  
 N/S: Placentia Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 29PLAPLORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 22                          | 61   | 41    | 124        | 12                            | 77   | 17    | 106        | 5                           | 35   | 14    | 54         | 24                            | 94   | 8     | 126        | 410        |
| 07:15 AM    | 57                          | 72   | 54    | 183        | 23                            | 90   | 24    | 137        | 11                          | 65   | 33    | 109        | 28                            | 108  | 4     | 140        | 569        |
| 07:30 AM    | 27                          | 79   | 50    | 156        | 15                            | 113  | 42    | 170        | 6                           | 90   | 25    | 121        | 44                            | 131  | 8     | 183        | 630        |
| 07:45 AM    | 44                          | 82   | 75    | 201        | 23                            | 123  | 58    | 204        | 12                          | 83   | 32    | 127        | 52                            | 144  | 9     | 205        | 737        |
| Total       | 150                         | 294  | 220   | 664        | 73                            | 403  | 141   | 617        | 34                          | 273  | 104   | 411        | 148                           | 477  | 29    | 654        | 2346       |
| 08:00 AM    | 34                          | 88   | 68    | 190        | 19                            | 165  | 53    | 237        | 8                           | 76   | 28    | 112        | 40                            | 117  | 11    | 168        | 707        |
| 08:15 AM    | 36                          | 66   | 34    | 136        | 26                            | 116  | 34    | 176        | 9                           | 62   | 13    | 84         | 42                            | 130  | 5     | 177        | 573        |
| 08:30 AM    | 34                          | 84   | 52    | 170        | 21                            | 142  | 48    | 211        | 8                           | 54   | 26    | 88         | 41                            | 121  | 8     | 170        | 639        |
| 08:45 AM    | 49                          | 87   | 47    | 183        | 23                            | 100  | 46    | 169        | 6                           | 47   | 14    | 67         | 40                            | 92   | 14    | 146        | 565        |
| Total       | 153                         | 325  | 201   | 679        | 89                            | 523  | 181   | 793        | 31                          | 239  | 81    | 351        | 163                           | 460  | 38    | 661        | 2484       |
| Grand Total | 303                         | 619  | 421   | 1343       | 162                           | 926  | 322   | 1410       | 65                          | 512  | 185   | 762        | 311                           | 937  | 67    | 1315       | 4830       |
| Apprch %    | 22.6                        | 46.1 | 31.3  |            | 11.5                          | 65.7 | 22.8  |            | 8.5                         | 67.2 | 24.3  |            | 23.7                          | 71.3 | 5.1   |            |            |
| Total %     | 6.3                         | 12.8 | 8.7   | 27.8       | 3.4                           | 19.2 | 6.7   | 29.2       | 1.3                         | 10.6 | 3.8   | 15.8       | 6.4                           | 19.4 | 1.4   | 27.2       |            |

| Start Time   | Placentia Avenue Southbound |           |           |            | Orangethorpe Avenue Westbound |            |           |            | Placentia Avenue Northbound |           |           |            | Orangethorpe Avenue Eastbound |            |           |            | Int. Total |
|--|-----------------------------|-----------|-----------|------------|-------------------------------|------------|-----------|------------|-----------------------------|-----------|-----------|------------|-------------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru      | Right     | App. Total | Left                          | Thru       | Right     | App. Total | Left                        | Thru      | Right     | App. Total | Left                          | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |           |           |            |                               |            |           |            |                             |           |           |            |                               |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 07:45 AM       |                             |           |           |            |                               |            |           |            |                             |           |           |            |                               |            |           |            |            |
| 07:45 AM   | <b>44</b>                   | 82        | <b>75</b> | <b>201</b> | 23                            | 123        | <b>58</b> | 204        | <b>12</b>                   | <b>83</b> | <b>32</b> | <b>127</b> | <b>52</b>                     | <b>144</b> | 9         | <b>205</b> | <b>737</b> |
| 08:00 AM   | 34                          | <b>88</b> | 68        | 190        | 19                            | <b>165</b> | 53        | <b>237</b> | 8                           | 76        | 28        | 112        | 40                            | 117        | <b>11</b> | 168        | 707        |
| 08:15 AM   | 36                          | 66        | 34        | 136        | <b>26</b>                     | 116        | 34        | 176        | 9                           | 62        | 13        | 84         | 42                            | 130        | 5         | 177        | 573        |
| 08:30 AM   | 34                          | 84        | 52        | 170        | 21                            | 142        | 48        | 211        | 8                           | 54        | 26        | 88         | 41                            | 121        | 8         | 170        | 639        |
| Total Volume   | 148                         | 320       | 229       | 697        | 89                            | 546        | 193       | 828        | 37                          | 275       | 99        | 411        | 175                           | 512        | 33        | 720        | 2656       |
| % App. Total   | 21.2                        | 45.9      | 32.9      |            | 10.7                          | 65.9       | 23.3      |            | 9                           | 66.9      | 24.1      |            | 24.3                          | 71.1       | 4.6       |            |            |
| PHF  | .841                        | .909      | .763      | .867       | .856                          | .827       | .832      | .873       | .771                        | .828      | .773      | .809       | .841                          | .889       | .750      | .878       | .901       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |           |            | 07:45 AM  |            |           |            | 07:15 AM  |           |           |            | 07:30 AM  |            |           |            |
|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | <b>57</b> | 72        | 54        | 183        | 23        | 123        | <b>58</b> | 204        | 11        | 65        | <b>33</b> | 109        | 44        | 131        | 8         | 183        |
| +15 mins.    | 27        | 79        | 50        | 156        | 19        | <b>165</b> | 53        | <b>237</b> | 6         | <b>90</b> | 25        | 121        | <b>52</b> | <b>144</b> | 9         | <b>205</b> |
| +30 mins.    | 44        | 82        | <b>75</b> | <b>201</b> | <b>26</b> | 116        | 34        | 176        | <b>12</b> | 83        | 32        | <b>127</b> | 40        | 117        | <b>11</b> | 168        |
| +45 mins.    | 34        | <b>88</b> | 68        | 190        | 21        | 142        | 48        | 211        | 8         | 76        | 28        | 112        | 42        | 130        | 5         | 177        |
| Total Volume | 162       | 321       | 247       | 730        | 89        | 546        | 193       | 828        | 37        | 314       | 118       | 469        | 178       | 522        | 33        | 733        |
| % App. Total | 22.2      | 44        | 33.8      |            | 10.7      | 65.9       | 23.3      |            | 7.9       | 67        | 25.2      |            | 24.3      | 71.2       | 4.5       |            |
| PHF          | .711      | .912      | .823      | .908       | .856      | .827       | .832      | .873       | .771      | .872      | .894      | .923       | .856      | .906       | .750      | .894       |

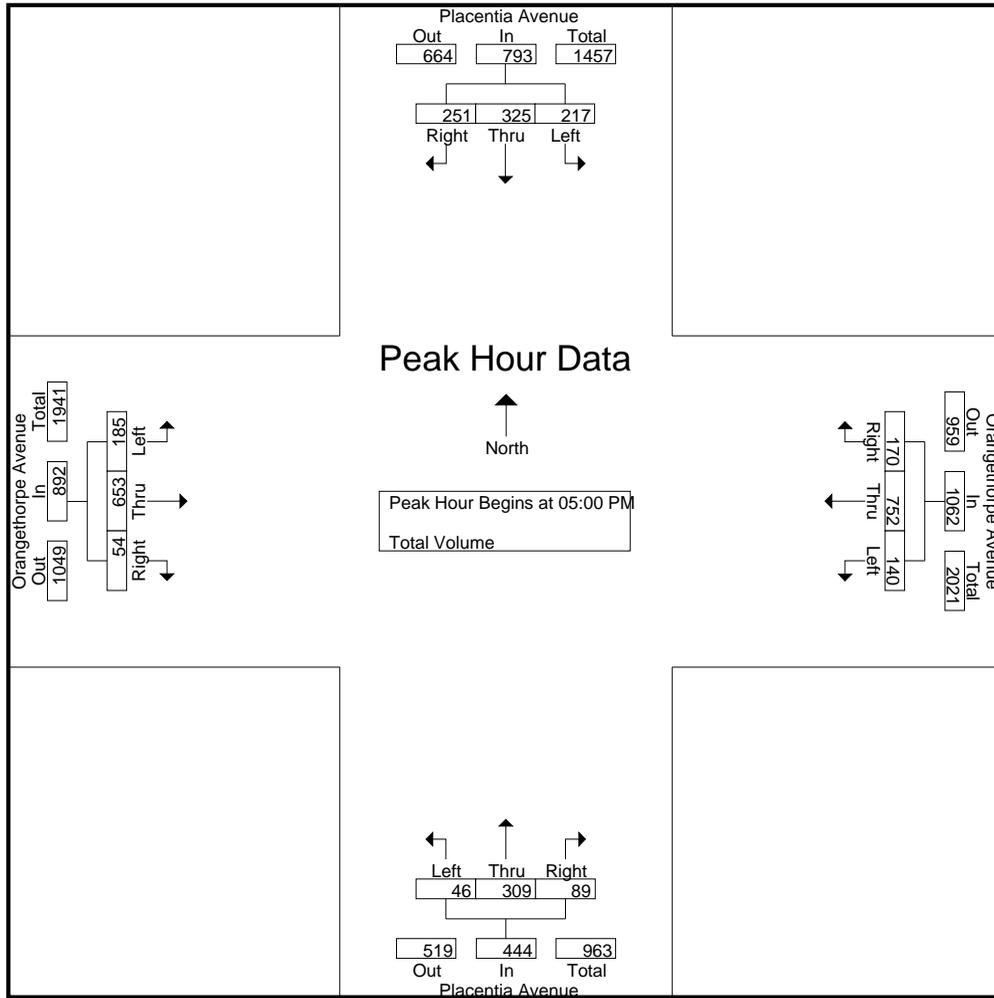
City of Placentia  
 N/S: Placentia Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 29PLAPLORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Placentia Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 45                          | 79   | 58    | 182        | 34                            | 114  | 31    | 179        | 13                          | 66   | 36    | 115        | 41                            | 172  | 13    | 226        | 702        |
| 04:15 PM    | 56                          | 79   | 58    | 193        | 35                            | 135  | 32    | 202        | 12                          | 58   | 25    | 95         | 43                            | 160  | 10    | 213        | 703        |
| 04:30 PM    | 58                          | 70   | 66    | 194        | 27                            | 152  | 35    | 214        | 12                          | 59   | 40    | 111        | 49                            | 189  | 20    | 258        | 777        |
| 04:45 PM    | 51                          | 60   | 50    | 161        | 26                            | 133  | 29    | 188        | 19                          | 69   | 29    | 117        | 35                            | 172  | 11    | 218        | 684        |
| Total       | 210                         | 288  | 232   | 730        | 122                           | 534  | 127   | 783        | 56                          | 252  | 130   | 438        | 168                           | 693  | 54    | 915        | 2866       |
| 05:00 PM    | 64                          | 63   | 63    | 190        | 37                            | 150  | 42    | 229        | 17                          | 76   | 27    | 120        | 47                            | 183  | 14    | 244        | 783        |
| 05:15 PM    | 65                          | 94   | 70    | 229        | 23                            | 166  | 43    | 232        | 6                           | 92   | 26    | 124        | 45                            | 162  | 23    | 230        | 815        |
| 05:30 PM    | 44                          | 73   | 62    | 179        | 35                            | 174  | 39    | 248        | 9                           | 75   | 19    | 103        | 51                            | 170  | 7     | 228        | 758        |
| 05:45 PM    | 44                          | 95   | 56    | 195        | 45                            | 262  | 46    | 353        | 14                          | 66   | 17    | 97         | 42                            | 138  | 10    | 190        | 835        |
| Total       | 217                         | 325  | 251   | 793        | 140                           | 752  | 170   | 1062       | 46                          | 309  | 89    | 444        | 185                           | 653  | 54    | 892        | 3191       |
| Grand Total | 427                         | 613  | 483   | 1523       | 262                           | 1286 | 297   | 1845       | 102                         | 561  | 219   | 882        | 353                           | 1346 | 108   | 1807       | 6057       |
| Apprch %    | 28                          | 40.2 | 31.7  |            | 14.2                          | 69.7 | 16.1  |            | 11.6                        | 63.6 | 24.8  |            | 19.5                          | 74.5 | 6     |            |            |
| Total %     | 7                           | 10.1 | 8     | 25.1       | 4.3                           | 21.2 | 4.9   | 30.5       | 1.7                         | 9.3  | 3.6   | 14.6       | 5.8                           | 22.2 | 1.8   | 29.8       |            |

| Start Time   | Placentia Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Placentia Avenue Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |      |       |            |                               |      |       |            |                             |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                             |      |       |            |                               |      |       |            |                             |      |       |            |                               |      |       |            |            |
| 05:00 PM   | 64                          | 63   | 63    | 190        | 37                            | 150  | 42    | 229        | 17                          | 76   | 27    | 120        | 47                            | 183  | 14    | 244        | 783        |
| 05:15 PM   | 65                          | 94   | 70    | 229        | 23                            | 166  | 43    | 232        | 6                           | 92   | 26    | 124        | 45                            | 162  | 23    | 230        | 815        |
| 05:30 PM   | 44                          | 73   | 62    | 179        | 35                            | 174  | 39    | 248        | 9                           | 75   | 19    | 103        | 51                            | 170  | 7     | 228        | 758        |
| 05:45 PM   | 44                          | 95   | 56    | 195        | 45                            | 262  | 46    | 353        | 14                          | 66   | 17    | 97         | 42                            | 138  | 10    | 190        | 835        |
| Total Volume   | 217                         | 325  | 251   | 793        | 140                           | 752  | 170   | 1062       | 46                          | 309  | 89    | 444        | 185                           | 653  | 54    | 892        | 3191       |
| % App. Total   | 27.4                        | 41   | 31.7  |            | 13.2                          | 70.8 | 16    |            | 10.4                        | 69.6 | 20    |            | 20.7                          | 73.2 | 6.1   |            |            |
| PHF  | .835                        | .855 | .896  | .866       | .778                          | .718 | .924  | .752       | .676                        | .840 | .824  | .895       | .907                          | .892 | .587  | .914       | .955       |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM  |           |           |            | 05:00 PM  |            |           |            | 04:30 PM  |           |           |            | 04:30 PM  |            |           |            |
|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 64        | 63        | 63        | 190        | 37        | 150        | 42        | 229        | 12        | 59        | <b>40</b> | 111        | <b>49</b> | <b>189</b> | 20        | <b>258</b> |
| +15 mins.    | <b>65</b> | 94        | <b>70</b> | <b>229</b> | 23        | 166        | 43        | 232        | <b>19</b> | 69        | 29        | 117        | 35        | 172        | 11        | 218        |
| +30 mins.    | 44        | 73        | 62        | 179        | 35        | 174        | 39        | 248        | 17        | 76        | 27        | 120        | 47        | 183        | 14        | 244        |
| +45 mins.    | 44        | <b>95</b> | 56        | 195        | <b>45</b> | <b>262</b> | <b>46</b> | <b>353</b> | 6         | <b>92</b> | 26        | <b>124</b> | 45        | 162        | <b>23</b> | 230        |
| Total Volume | 217       | 325       | 251       | 793        | 140       | 752        | 170       | 1062       | 54        | 296       | 122       | 472        | 176       | 706        | 68        | 950        |
| % App. Total | 27.4      | 41        | 31.7      |            | 13.2      | 70.8       | 16        |            | 11.4      | 62.7      | 25.8      |            | 18.5      | 74.3       | 7.2       |            |
| PHF          | .835      | .855      | .896      | .866       | .778      | .718       | .924      | .752       | .711      | .804      | .763      | .952       | .898      | .934       | .739      | .921       |

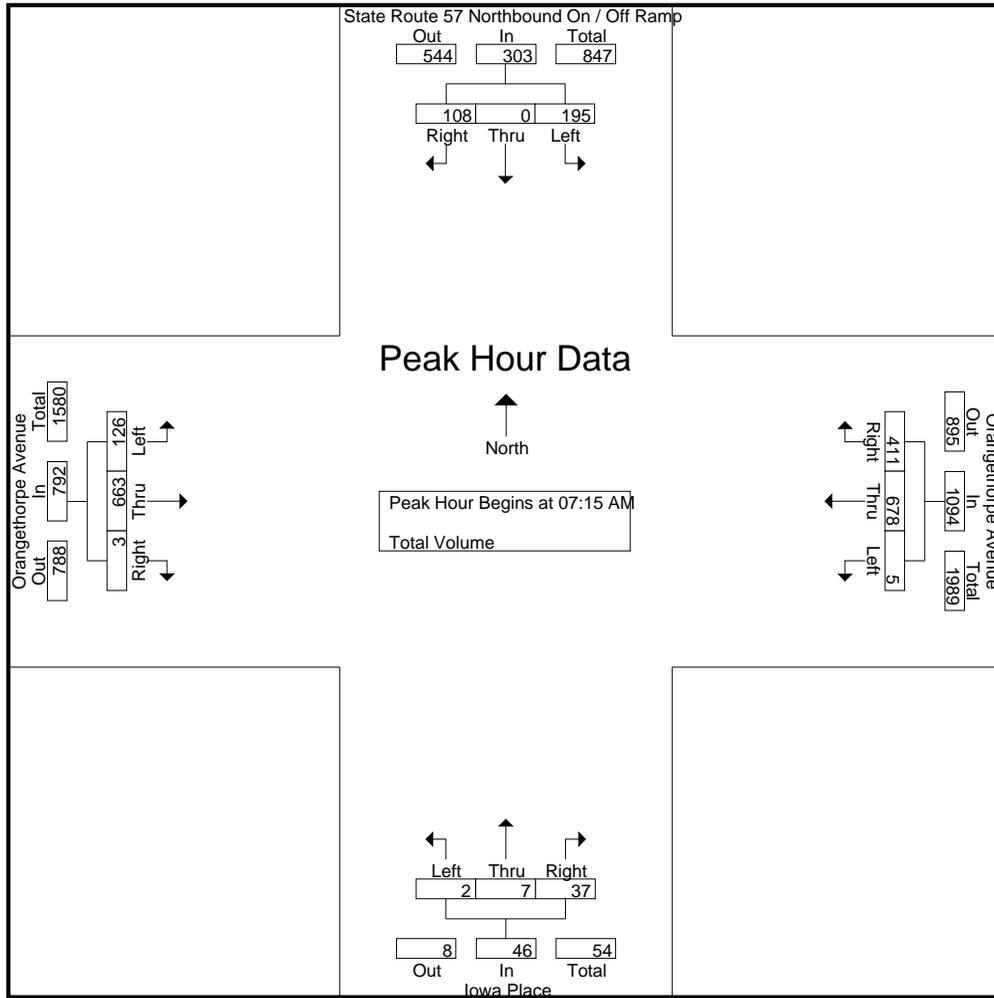
City of Placentia  
 N/S: State Route 57 Southbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 30PLA57SORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time         | State Route 57 Northbound<br>On / Off Ramp<br>Southbound |          |            |            | Orangethorpe Avenue<br>Westbound |             |            |             | Iowa Place<br>Northbound |           |           |            | Orangethorpe Avenue<br>Eastbound |             |          |             | Int. Total  |
|--------------------|--|----------|------------|------------|----------------------------------|-------------|------------|-------------|--------------------------|-----------|-----------|------------|----------------------------------|-------------|----------|-------------|-------------|
|                    | Left   | Thru     | Right      | App. Total | Left                             | Thru        | Right      | App. Total  | Left                     | Thru      | Right     | App. Total | Left                             | Thru        | Right    | App. Total  |             |
| 07:00 AM           | 42   | 0        | 20         | 62         | 0                                | 118         | 107        | 225         | 0                        | 3         | 2         | 5          | 14                               | 113         | 0        | 127         | 419         |
| 07:15 AM           | 48   | 0        | 25         | 73         | 2                                | 120         | 110        | 232         | 0                        | 2         | 5         | 7          | 44                               | 164         | 0        | 208         | 520         |
| 07:30 AM           | 40   | 0        | 23         | 63         | 1                                | 162         | 106        | 269         | 1                        | 1         | 14        | 16         | 32                               | 159         | 1        | 192         | 540         |
| 07:45 AM           | 62   | 0        | 31         | 93         | 1                                | 184         | 97         | 282         | 0                        | 2         | 6         | 8          | 27                               | 182         | 0        | 209         | 592         |
| <b>Total</b>       | <b>192</b>   | <b>0</b> | <b>99</b>  | <b>291</b> | <b>4</b>                         | <b>584</b>  | <b>420</b> | <b>1008</b> | <b>1</b>                 | <b>8</b>  | <b>27</b> | <b>36</b>  | <b>117</b>                       | <b>618</b>  | <b>1</b> | <b>736</b>  | <b>2071</b> |
| 08:00 AM           | 45   | 0        | 29         | 74         | 1                                | 212         | 98         | 311         | 1                        | 2         | 12        | 15         | 23                               | 158         | 2        | 183         | 583         |
| 08:15 AM           | 45   | 1        | 35         | 81         | 0                                | 167         | 97         | 264         | 1                        | 3         | 7         | 11         | 34                               | 122         | 0        | 156         | 512         |
| 08:30 AM           | 51   | 0        | 31         | 82         | 0                                | 172         | 88         | 260         | 0                        | 3         | 2         | 5          | 25                               | 152         | 0        | 177         | 524         |
| 08:45 AM           | 45   | 0        | 43         | 88         | 0                                | 133         | 85         | 218         | 1                        | 2         | 2         | 5          | 38                               | 129         | 2        | 169         | 480         |
| <b>Total</b>       | <b>186</b>   | <b>1</b> | <b>138</b> | <b>325</b> | <b>1</b>                         | <b>684</b>  | <b>368</b> | <b>1053</b> | <b>3</b>                 | <b>10</b> | <b>23</b> | <b>36</b>  | <b>120</b>                       | <b>561</b>  | <b>4</b> | <b>685</b>  | <b>2099</b> |
| <b>Grand Total</b> | <b>378</b>   | <b>1</b> | <b>237</b> | <b>616</b> | <b>5</b>                         | <b>1268</b> | <b>788</b> | <b>2061</b> | <b>4</b>                 | <b>18</b> | <b>50</b> | <b>72</b>  | <b>237</b>                       | <b>1179</b> | <b>5</b> | <b>1421</b> | <b>4170</b> |
| Apprch %           | 61.4   | 0.2      | 38.5       |            | 0.2                              | 61.5        | 38.2       |             | 5.6                      | 25        | 69.4      |            | 16.7                             | 83          | 0.4      |             |             |
| Total %            | 9.1  | 0        | 5.7        | 14.8       | 0.1                              | 30.4        | 18.9       | 49.4        | 0.1                      | 0.4       | 1.2       | 1.7        | 5.7                              | 28.3        | 0.1      | 34.1        |             |

| Start Time   | State Route 57 Northbound<br>On / Off Ramp<br>Southbound |      |           |            | Orangethorpe Avenue<br>Westbound |            |            |            | Iowa Place<br>Northbound |          |           |            | Orangethorpe Avenue<br>Eastbound |            |          |            | Int. Total |
|--|--|------|-----------|------------|----------------------------------|------------|------------|------------|--------------------------|----------|-----------|------------|----------------------------------|------------|----------|------------|------------|
|  | Left   | Thru | Right     | App. Total | Left                             | Thru       | Right      | App. Total | Left                     | Thru     | Right     | App. Total | Left                             | Thru       | Right    | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |  |      |           |            |                                  |            |            |            |                          |          |           |            |                                  |            |          |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |  |      |           |            |                                  |            |            |            |                          |          |           |            |                                  |            |          |            |            |
| 07:15 AM   | 48   | 0    | 25        | 73         | <b>2</b>                         | 120        | <b>110</b> | 232        | 0                        | <b>2</b> | 5         | 7          | <b>44</b>                        | 164        | 0        | 208        | 520        |
| 07:30 AM   | 40   | 0    | 23        | 63         | 1                                | 162        | 106        | 269        | 1                        | 1        | <b>14</b> | <b>16</b>  | 32                               | 159        | 1        | 192        | 540        |
| 07:45 AM   | <b>62</b>  | 0    | <b>31</b> | <b>93</b>  | 1                                | 184        | 97         | 282        | 0                        | 2        | 6         | 8          | 27                               | <b>182</b> | 0        | <b>209</b> | <b>592</b> |
| 08:00 AM   | 45   | 0    | 29        | 74         | 1                                | <b>212</b> | 98         | <b>311</b> | 1                        | 2        | 12        | 15         | 23                               | 158        | <b>2</b> | 183        | 583        |
| Total Volume   | 195  | 0    | 108       | 303        | 5                                | 678        | 411        | 1094       | 2                        | 7        | 37        | 46         | 126                              | 663        | 3        | 792        | 2235       |
| % App. Total   | 64.4   | 0    | 35.6      |            | 0.5                              | 62         | 37.6       |            | 4.3                      | 15.2     | 80.4      |            | 15.9                             | 83.7       | 0.4      |            |            |
| PHF  | .786   | .000 | .871      | .815       | .625                             | .800       | .934       | .879       | .500                     | .875     | .661      | .719       | .716                             | .911       | .375     | .947       | .944       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:45 AM  |          |           |           | 07:30 AM |            |            |            | 07:30 AM |          |           |           | 07:15 AM  |            |          |            |
|--------------|-----------|----------|-----------|-----------|----------|------------|------------|------------|----------|----------|-----------|-----------|-----------|------------|----------|------------|
| +0 mins.     | <b>62</b> | 0        | 31        | <b>93</b> | <b>1</b> | 162        | <b>106</b> | 269        | <b>1</b> | 1        | <b>14</b> | <b>16</b> | <b>44</b> | 164        | 0        | 208        |
| +15 mins.    | 45        | 0        | 29        | 74        | 1        | 184        | 97         | 282        | 0        | 2        | 6         | 8         | 32        | 159        | 1        | 192        |
| +30 mins.    | 45        | <b>1</b> | <b>35</b> | 81        | 1        | <b>212</b> | 98         | <b>311</b> | 1        | 2        | 12        | 15        | 27        | <b>182</b> | 0        | <b>209</b> |
| +45 mins.    | 51        | 0        | 31        | 82        | 0        | 167        | 97         | 264        | 1        | <b>3</b> | 7         | 11        | 23        | 158        | <b>2</b> | 183        |
| Total Volume | 203       | 1        | 126       | 330       | 3        | 725        | 398        | 1126       | 3        | 8        | 39        | 50        | 126       | 663        | 3        | 792        |
| % App. Total | 61.5      | 0.3      | 38.2      |           | 0.3      | 64.4       | 35.3       |            | 6        | 16       | 78        |           | 15.9      | 83.7       | 0.4      |            |
| PHF          | .819      | .250     | .900      | .887      | .750     | .855       | .939       | .905       | .750     | .667     | .696      | .781      | .716      | .911       | .375     | .947       |

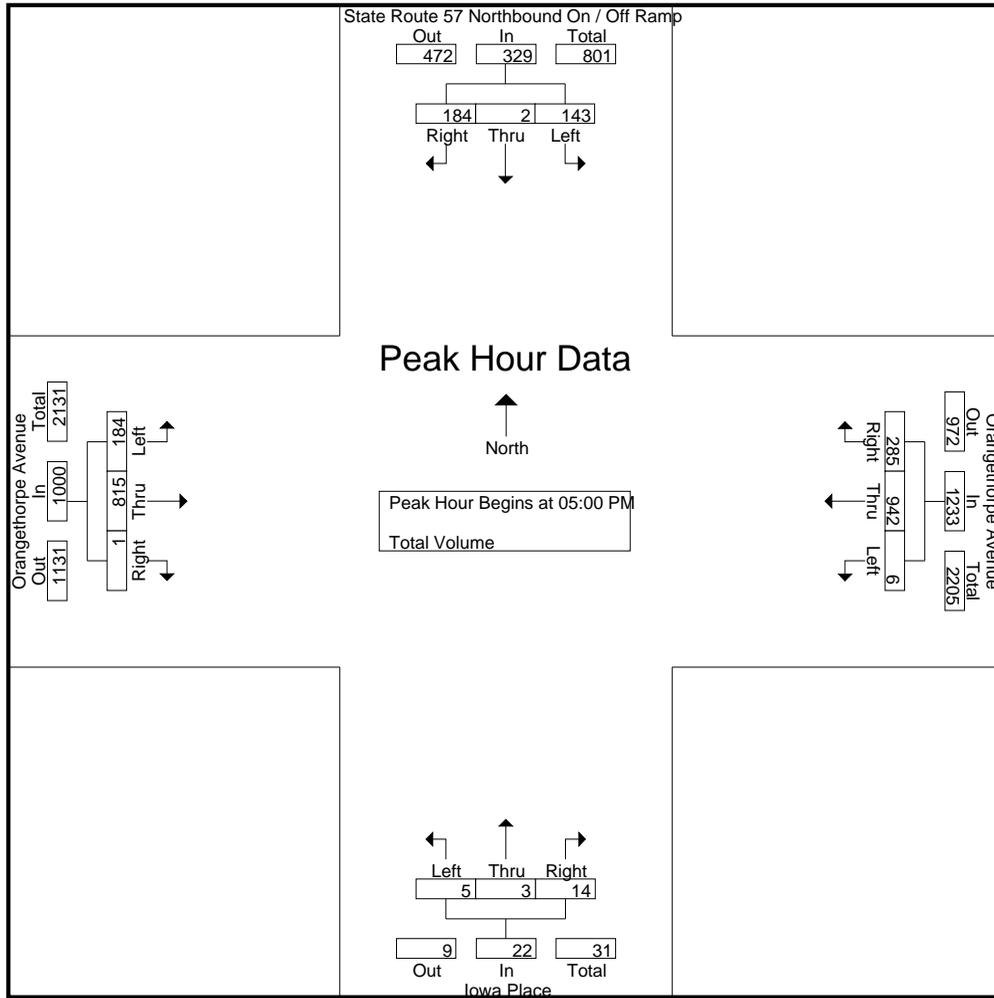
City of Placentia  
 N/S: State Route 57 Southbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 30PLA57SORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time         | State Route 57 Northbound<br>On / Off Ramp<br>Southbound |          |            |            | Orangethorpe Avenue<br>Westbound |             |            |             | Iowa Place<br>Northbound |          |           |            | Orangethorpe Avenue<br>Eastbound |             |          |             | Int. Total  |
|--------------------|--|----------|------------|------------|----------------------------------|-------------|------------|-------------|--------------------------|----------|-----------|------------|----------------------------------|-------------|----------|-------------|-------------|
|                    | Left   | Thru     | Right      | App. Total | Left                             | Thru        | Right      | App. Total  | Left                     | Thru     | Right     | App. Total | Left                             | Thru        | Right    | App. Total  |             |
| 04:00 PM           | 47   | 0        | 35         | 82         | 0                                | 145         | 90         | 235         | 0                        | 1        | 2         | 3          | 64                               | 209         | 0        | 273         | 593         |
| 04:15 PM           | 21   | 0        | 39         | 60         | 0                                | 169         | 77         | 246         | 0                        | 1        | 5         | 6          | 46                               | 207         | 1        | 254         | 566         |
| 04:30 PM           | 37   | 0        | 41         | 78         | 2                                | 161         | 118        | 281         | 0                        | 0        | 2         | 2          | 63                               | 233         | 1        | 297         | 658         |
| 04:45 PM           | 44   | 0        | 39         | 83         | 0                                | 184         | 104        | 288         | 0                        | 2        | 2         | 4          | 57                               | 191         | 2        | 250         | 625         |
| <b>Total</b>       | <b>149</b>   | <b>0</b> | <b>154</b> | <b>303</b> | <b>2</b>                         | <b>659</b>  | <b>389</b> | <b>1050</b> | <b>0</b>                 | <b>4</b> | <b>11</b> | <b>15</b>  | <b>230</b>                       | <b>840</b>  | <b>4</b> | <b>1074</b> | <b>2442</b> |
| 05:00 PM           | 37   | 0        | 44         | 81         | 2                                | 201         | 97         | 300         | 2                        | 1        | 5         | 8          | 58                               | 216         | 1        | 275         | 664         |
| 05:15 PM           | 31   | 0        | 28         | 59         | 2                                | 210         | 74         | 286         | 2                        | 0        | 5         | 7          | 55                               | 209         | 0        | 264         | 616         |
| 05:30 PM           | 44   | 1        | 53         | 98         | 0                                | 238         | 56         | 294         | 0                        | 1        | 2         | 3          | 40                               | 205         | 0        | 245         | 640         |
| 05:45 PM           | 31   | 1        | 59         | 91         | 2                                | 293         | 58         | 353         | 1                        | 1        | 2         | 4          | 31                               | 185         | 0        | 216         | 664         |
| <b>Total</b>       | <b>143</b>   | <b>2</b> | <b>184</b> | <b>329</b> | <b>6</b>                         | <b>942</b>  | <b>285</b> | <b>1233</b> | <b>5</b>                 | <b>3</b> | <b>14</b> | <b>22</b>  | <b>184</b>                       | <b>815</b>  | <b>1</b> | <b>1000</b> | <b>2584</b> |
| <b>Grand Total</b> | <b>292</b>   | <b>2</b> | <b>338</b> | <b>632</b> | <b>8</b>                         | <b>1601</b> | <b>674</b> | <b>2283</b> | <b>5</b>                 | <b>7</b> | <b>25</b> | <b>37</b>  | <b>414</b>                       | <b>1655</b> | <b>5</b> | <b>2074</b> | <b>5026</b> |
| Apprch %           | 46.2   | 0.3      | 53.5       |            | 0.4                              | 70.1        | 29.5       |             | 13.5                     | 18.9     | 67.6      |            | 20                               | 79.8        | 0.2      |             |             |
| Total %            | 5.8  | 0        | 6.7        | 12.6       | 0.2                              | 31.9        | 13.4       | 45.4        | 0.1                      | 0.1      | 0.5       | 0.7        | 8.2                              | 32.9        | 0.1      | 41.3        |             |

| Start Time   | State Route 57 Northbound<br>On / Off Ramp<br>Southbound |          |            |            | Orangethorpe Avenue<br>Westbound |            |            |             | Iowa Place<br>Northbound |          |           |            | Orangethorpe Avenue<br>Eastbound |            |          |             | Int. Total  |
|--|--|----------|------------|------------|----------------------------------|------------|------------|-------------|--------------------------|----------|-----------|------------|----------------------------------|------------|----------|-------------|-------------|
|  | Left   | Thru     | Right      | App. Total | Left                             | Thru       | Right      | App. Total  | Left                     | Thru     | Right     | App. Total | Left                             | Thru       | Right    | App. Total  |             |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |  |          |            |            |                                  |            |            |             |                          |          |           |            |                                  |            |          |             |             |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |  |          |            |            |                                  |            |            |             |                          |          |           |            |                                  |            |          |             |             |
| 05:00 PM   | 37   | 0        | 44         | 81         | 2                                | 201        | 97         | 300         | 2                        | 1        | 5         | 8          | 58                               | 216        | 1        | 275         | 664         |
| 05:15 PM   | 31   | 0        | 28         | 59         | 2                                | 210        | 74         | 286         | 2                        | 0        | 5         | 7          | 55                               | 209        | 0        | 264         | 616         |
| 05:30 PM   | 44   | 1        | 53         | 98         | 0                                | 238        | 56         | 294         | 0                        | 1        | 2         | 3          | 40                               | 205        | 0        | 245         | 640         |
| 05:45 PM   | 31   | 1        | 59         | 91         | 2                                | 293        | 58         | 353         | 1                        | 1        | 2         | 4          | 31                               | 185        | 0        | 216         | 664         |
| <b>Total Volume</b>  | <b>143</b>   | <b>2</b> | <b>184</b> | <b>329</b> | <b>6</b>                         | <b>942</b> | <b>285</b> | <b>1233</b> | <b>5</b>                 | <b>3</b> | <b>14</b> | <b>22</b>  | <b>184</b>                       | <b>815</b> | <b>1</b> | <b>1000</b> | <b>2584</b> |
| % App. Total   | 43.5   | 0.6      | 55.9       |            | 0.5                              | 76.4       | 23.1       |             | 22.7                     | 13.6     | 63.6      |            | 18.4                             | 81.5       | 0.1      |             |             |
| PHF  | .813   | .500     | .780       | .839       | .750                             | .804       | .735       | .873        | .625                     | .750     | .700      | .688       | .793                             | .943       | .250     | .909        | .973        |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM  |          |           |           | 05:00 PM |            |           |            | 04:45 PM |          |          |          | 04:30 PM  |            |          |            |
|--------------|-----------|----------|-----------|-----------|----------|------------|-----------|------------|----------|----------|----------|----------|-----------|------------|----------|------------|
| +0 mins.     | 37        | 0        | 44        | 81        | <b>2</b> | 201        | <b>97</b> | 300        | 0        | <b>2</b> | 2        | 4        | <b>63</b> | <b>233</b> | 1        | <b>297</b> |
| +15 mins.    | 31        | 0        | 28        | 59        | 2        | 210        | 74        | 286        | <b>2</b> | 1        | <b>5</b> | <b>8</b> | 57        | 191        | <b>2</b> | 250        |
| +30 mins.    | <b>44</b> | <b>1</b> | 53        | <b>98</b> | 0        | 238        | 56        | 294        | 2        | 0        | 5        | 7        | 58        | 216        | 1        | 275        |
| +45 mins.    | 31        | 1        | <b>59</b> | 91        | 2        | <b>293</b> | 58        | <b>353</b> | 0        | 1        | 2        | 3        | 55        | 209        | 0        | 264        |
| Total Volume | 143       | 2        | 184       | 329       | 6        | 942        | 285       | 1233       | 4        | 4        | 14       | 22       | 233       | 849        | 4        | 1086       |
| % App. Total | 43.5      | 0.6      | 55.9      |           | 0.5      | 76.4       | 23.1      |            | 18.2     | 18.2     | 63.6     |          | 21.5      | 78.2       | 0.4      |            |
| PHF          | .813      | .500     | .780      | .839      | .750     | .804       | .735      | .873       | .500     | .500     | .700     | .688     | .925      | .911       | .500     | .914       |

City of Placentia  
 N/S: State Route 57 Northbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 31PLA57NORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

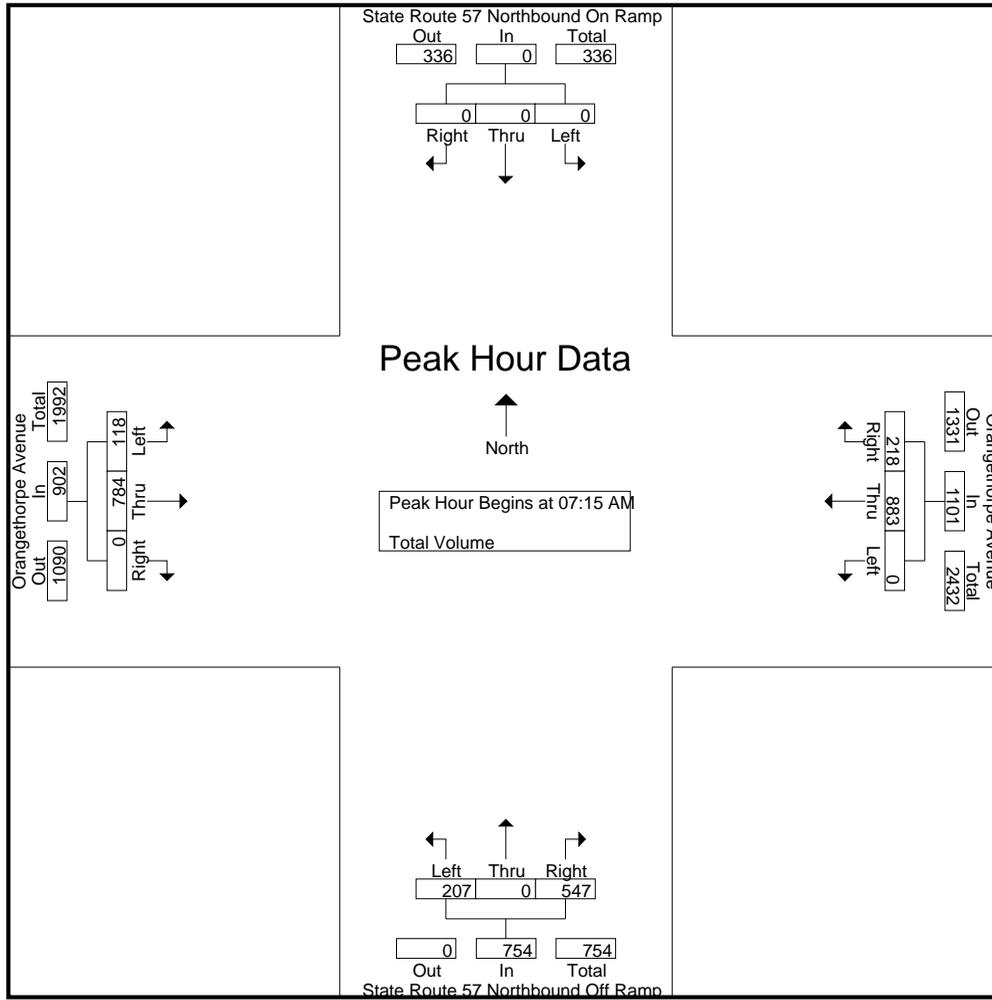
Groups Printed- Total Volume

| Start Time  | State Route 57 Northbound<br>On Ramp<br>Southbound |      |       |            | Orangethorpe Avenue<br>Westbound |      |       |            | State Route 57 Northbound<br>Off Ramp<br>Northbound |      |       |            | Orangethorpe Avenue<br>Eastbound |      |       |            | Int. Total |
|-------------|--|------|-------|------------|----------------------------------|------|-------|------------|---|------|-------|------------|----------------------------------|------|-------|------------|------------|
|             | Left   | Thru | Right | App. Total | Left                             | Thru | Right | App. Total | Left  | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| 07:00 AM    | 0  | 0    | 0     | 0          | 0                                | 194  | 53    | 247        | 29  | 0    | 130   | 159        | 22                               | 138  | 0     | 160        | 566        |
| 07:15 AM    | 0  | 0    | 0     | 0          | 0                                | 186  | 38    | 224        | 42  | 0    | 123   | 165        | 34                               | 199  | 0     | 233        | 622        |
| 07:30 AM    | 0  | 0    | 0     | 0          | 0                                | 217  | 57    | 274        | 39  | 0    | 129   | 168        | 41                               | 163  | 0     | 204        | 646        |
| 07:45 AM    | 0  | 0    | 0     | 0          | 0                                | 255  | 58    | 313        | 59  | 0    | 154   | 213        | 20                               | 241  | 0     | 261        | 787        |
| Total       | 0  | 0    | 0     | 0          | 0                                | 852  | 206   | 1058       | 169   | 0    | 536   | 705        | 117                              | 741  | 0     | 858        | 2621       |
| 08:00 AM    | 0  | 0    | 0     | 0          | 0                                | 225  | 65    | 290        | 67  | 0    | 141   | 208        | 23                               | 181  | 0     | 204        | 702        |
| 08:15 AM    | 0  | 0    | 0     | 0          | 0                                | 208  | 51    | 259        | 37  | 0    | 101   | 138        | 24                               | 152  | 0     | 176        | 573        |
| 08:30 AM    | 0  | 0    | 0     | 0          | 0                                | 218  | 49    | 267        | 57  | 0    | 89    | 146        | 37                               | 173  | 0     | 210        | 623        |
| 08:45 AM    | 0  | 0    | 0     | 0          | 0                                | 161  | 58    | 219        | 59  | 0    | 128   | 187        | 31                               | 147  | 0     | 178        | 584        |
| Total       | 0  | 0    | 0     | 0          | 0                                | 812  | 223   | 1035       | 220   | 0    | 459   | 679        | 115                              | 653  | 0     | 768        | 2482       |
| Grand Total | 0  | 0    | 0     | 0          | 0                                | 1664 | 429   | 2093       | 389   | 0    | 995   | 1384       | 232                              | 1394 | 0     | 1626       | 5103       |
| Apprch %    | 0  | 0    | 0     | 0          | 0                                | 79.5 | 20.5  |            | 28.1  | 0    | 71.9  |            | 14.3                             | 85.7 | 0     |            |            |
| Total %     | 0  | 0    | 0     | 0          | 0                                | 32.6 | 8.4   | 41         | 7.6   | 0    | 19.5  | 27.1       | 4.5                              | 27.3 | 0     | 31.9       |            |

| Start Time   | State Route 57 Northbound<br>On Ramp<br>Southbound |      |       |            | Orangethorpe Avenue<br>Westbound |      |       |            | State Route 57 Northbound<br>Off Ramp<br>Northbound |      |       |            | Orangethorpe Avenue<br>Eastbound |      |       |            | Int. Total |
|--|--|------|-------|------------|----------------------------------|------|-------|------------|---|------|-------|------------|----------------------------------|------|-------|------------|------------|
|  | Left   | Thru | Right | App. Total | Left                             | Thru | Right | App. Total | Left  | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |  |      |       |            |                                  |      |       |            |   |      |       |            |                                  |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |  |      |       |            |                                  |      |       |            |   |      |       |            |                                  |      |       |            |            |
| 07:15 AM   | 0  | 0    | 0     | 0          | 0                                | 186  | 38    | 224        | 42  | 0    | 123   | 165        | 34                               | 199  | 0     | 233        | 622        |
| 07:30 AM   | 0  | 0    | 0     | 0          | 0                                | 217  | 57    | 274        | 39  | 0    | 129   | 168        | 41                               | 163  | 0     | 204        | 646        |
| 07:45 AM   | 0  | 0    | 0     | 0          | 0                                | 255  | 58    | 313        | 59  | 0    | 154   | 213        | 20                               | 241  | 0     | 261        | 787        |
| 08:00 AM   | 0  | 0    | 0     | 0          | 0                                | 225  | 65    | 290        | 67  | 0    | 141   | 208        | 23                               | 181  | 0     | 204        | 702        |
| Total Volume   | 0  | 0    | 0     | 0          | 0                                | 883  | 218   | 1101       | 207   | 0    | 547   | 754        | 118                              | 784  | 0     | 902        | 2757       |
| % App. Total   | 0  | 0    | 0     | 0          | 0                                | 80.2 | 19.8  |            | 27.5  | 0    | 72.5  |            | 13.1                             | 86.9 | 0     |            |            |
| PHF  | .000   | .000 | .000  | .000       | .000                             | .866 | .838  | .879       | .772  | .000 | .888  | .885       | .720                             | .813 | .000  | .864       | .876       |

City of Placentia  
 N/S: State Route 57 Northbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 31PLA57NORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:00 AM |      |      |      | 07:30 AM |            |           | 07:15 AM   |           |      |            | 07:15 AM   |           |            |      |            |
|--------------|----------|------|------|------|----------|------------|-----------|------------|-----------|------|------------|------------|-----------|------------|------|------------|
| +0 mins.     | 0        | 0    | 0    | 0    | 0        | 217        | 57        | 274        | 42        | 0    | 123        | 165        | 34        | 199        | 0    | 233        |
| +15 mins.    | 0        | 0    | 0    | 0    | 0        | <b>255</b> | 58        | <b>313</b> | 39        | 0    | 129        | 168        | <b>41</b> | 163        | 0    | 204        |
| +30 mins.    | 0        | 0    | 0    | 0    | 0        | 225        | <b>65</b> | 290        | 59        | 0    | <b>154</b> | <b>213</b> | 20        | <b>241</b> | 0    | <b>261</b> |
| +45 mins.    | 0        | 0    | 0    | 0    | 0        | 208        | 51        | 259        | <b>67</b> | 0    | 141        | 208        | 23        | 181        | 0    | 204        |
| Total Volume | 0        | 0    | 0    | 0    | 0        | 905        | 231       | 1136       | 207       | 0    | 547        | 754        | 118       | 784        | 0    | 902        |
| % App. Total | 0        | 0    | 0    | 0    | 0        | 79.7       | 20.3      |            | 27.5      | 0    | 72.5       |            | 13.1      | 86.9       | 0    |            |
| PHF          | .000     | .000 | .000 | .000 | .000     | .887       | .888      | .907       | .772      | .000 | .888       | .885       | .720      | .813       | .000 | .864       |

City of Placentia  
 N/S: State Route 57 Northbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 31PLA57NORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

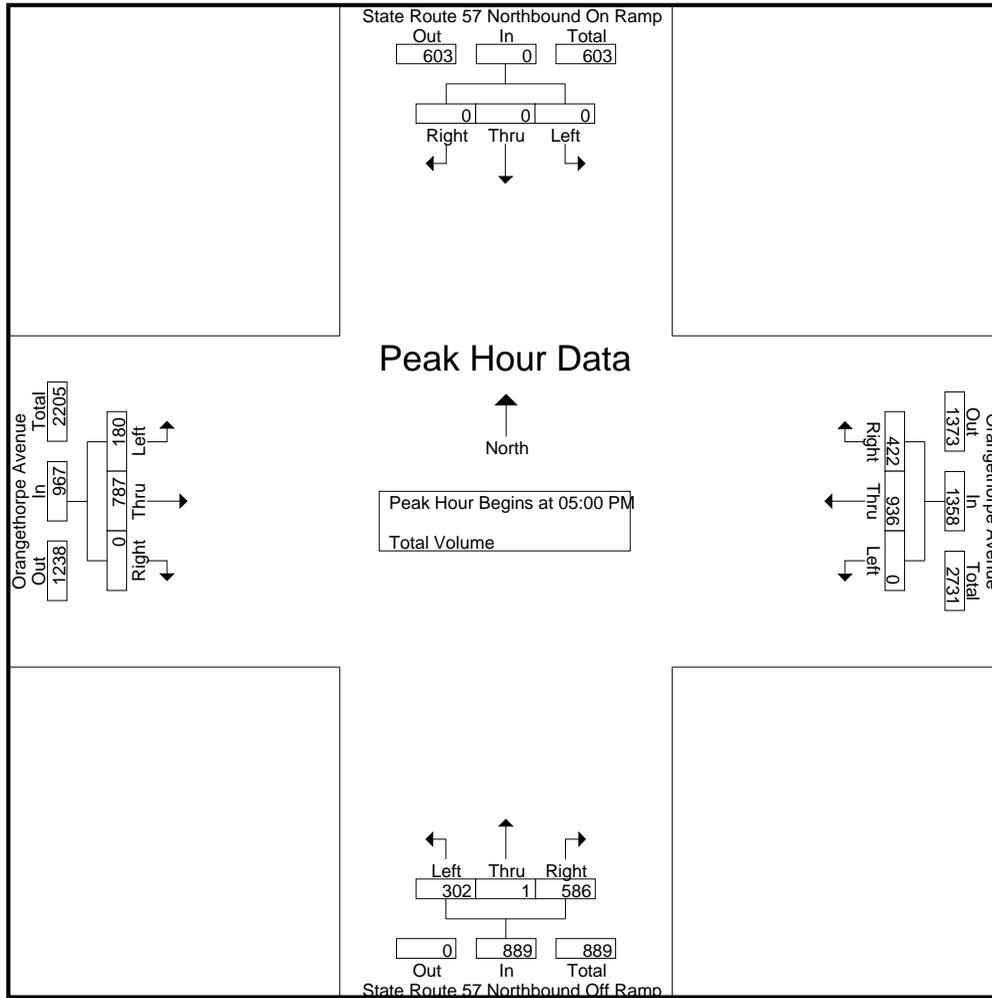
| Start Time  | State Route 57 Northbound<br>On Ramp<br>Southbound |      |       |            | Orangethorpe Avenue<br>Westbound |      |       |            | State Route 57 Northbound<br>Off Ramp<br>Northbound |      |       |            | Orangethorpe Avenue<br>Eastbound |      |       |            | Int. Total |
|-------------|--|------|-------|------------|----------------------------------|------|-------|------------|---|------|-------|------------|----------------------------------|------|-------|------------|------------|
|             | Left   | Thru | Right | App. Total | Left                             | Thru | Right | App. Total | Left  | Thru | Right | App. Total | Left                             | Thru | Right | App. Total |            |
| 04:00 PM    | 0  | 0    | 0     | 0          | 0                                | 228  | 134   | 362        | 36  | 3    | 133   | 172        | 56                               | 206  | 0     | 262        | 796        |
| 04:15 PM    | 0  | 0    | 0     | 0          | 0                                | 200  | 94    | 294        | 41  | 0    | 122   | 163        | 39                               | 173  | 0     | 212        | 669        |
| 04:30 PM    | 0  | 0    | 0     | 0          | 0                                | 245  | 99    | 344        | 37  | 0    | 124   | 161        | 63                               | 218  | 0     | 281        | 786        |
| 04:45 PM    | 0  | 0    | 0     | 0          | 0                                | 222  | 110   | 332        | 47  | 3    | 142   | 192        | 36                               | 196  | 0     | 232        | 756        |
| Total       | 0  | 0    | 0     | 0          | 0                                | 895  | 437   | 1332       | 161   | 6    | 521   | 688        | 194                              | 793  | 0     | 987        | 3007       |
| 05:00 PM    | 0  | 0    | 0     | 0          | 0                                | 256  | 118   | 374        | 41  | 0    | 136   | 177        | 59                               | 213  | 0     | 272        | 823        |
| 05:15 PM    | 0  | 0    | 0     | 0          | 0                                | 253  | 105   | 358        | 46  | 0    | 153   | 199        | 44                               | 205  | 0     | 249        | 806        |
| 05:30 PM    | 0  | 0    | 0     | 0          | 0                                | 221  | 116   | 337        | 74  | 1    | 135   | 210        | 36                               | 202  | 0     | 238        | 785        |
| 05:45 PM    | 0  | 0    | 0     | 0          | 0                                | 206  | 83    | 289        | 141   | 0    | 162   | 303        | 41                               | 167  | 0     | 208        | 800        |
| Total       | 0  | 0    | 0     | 0          | 0                                | 936  | 422   | 1358       | 302   | 1    | 586   | 889        | 180                              | 787  | 0     | 967        | 3214       |
| Grand Total | 0  | 0    | 0     | 0          | 0                                | 1831 | 859   | 2690       | 463   | 7    | 1107  | 1577       | 374                              | 1580 | 0     | 1954       | 6221       |
| Apprch %    | 0  | 0    | 0     | 0          | 0                                | 68.1 | 31.9  |            | 29.4  | 0.4  | 70.2  |            | 19.1                             | 80.9 | 0     |            |            |
| Total %     | 0  | 0    | 0     | 0          | 0                                | 29.4 | 13.8  | 43.2       | 7.4   | 0.1  | 17.8  | 25.3       | 6                                | 25.4 | 0     | 31.4       |            |

| Start Time   | State Route 57 Northbound<br>On Ramp<br>Southbound |      |       |            | Orangethorpe Avenue<br>Westbound |            |            |            | State Route 57 Northbound<br>Off Ramp<br>Northbound |      |            |            | Orangethorpe Avenue<br>Eastbound |            |       |            | Int. Total |
|--------------|--|------|-------|------------|----------------------------------|------------|------------|------------|---|------|------------|------------|----------------------------------|------------|-------|------------|------------|
|              | Left   | Thru | Right | App. Total | Left                             | Thru       | Right      | App. Total | Left  | Thru | Right      | App. Total | Left                             | Thru       | Right | App. Total |            |
| 05:00 PM     | 0  | 0    | 0     | 0          | 0                                | <b>256</b> | <b>118</b> | <b>374</b> | 41  | 0    | 136        | 177        | <b>59</b>                        | <b>213</b> | 0     | <b>272</b> | <b>823</b> |
| 05:15 PM     | 0  | 0    | 0     | 0          | 0                                | 253        | 105        | 358        | 46  | 0    | 153        | 199        | 44                               | 205        | 0     | 249        | 806        |
| 05:30 PM     | 0  | 0    | 0     | 0          | 0                                | 221        | 116        | 337        | 74  | 1    | 135        | 210        | 36                               | 202        | 0     | 238        | 785        |
| 05:45 PM     | 0  | 0    | 0     | 0          | 0                                | 206        | 83         | 289        | <b>141</b>  | 0    | <b>162</b> | <b>303</b> | 41                               | 167        | 0     | 208        | 800        |
| Total Volume | 0  | 0    | 0     | 0          | 0                                | 936        | 422        | 1358       | 302   | 1    | 586        | 889        | 180                              | 787        | 0     | 967        | 3214       |
| % App. Total | 0  | 0    | 0     | 0          | 0                                | 68.9       | 31.1       |            | 34  | 0.1  | 65.9       |            | 18.6                             | 81.4       | 0     |            |            |
| PHF          | .000   | .000 | .000  | .000       | .000                             | .914       | .894       | .908       | .535  | .250 | .904       | .733       | .763                             | .924       | .000  | .889       | .976       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 05:00 PM

City of Placentia  
 N/S: State Route 57 Northbound Ramps  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 31PLA57NORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM |      |      |      | 04:30 PM |            |            |            | 05:00 PM   |          |            |            | 04:30 PM  |            |      |            |
|--------------|----------|------|------|------|----------|------------|------------|------------|------------|----------|------------|------------|-----------|------------|------|------------|
| +0 mins.     | 0        | 0    | 0    | 0    | 0        | 245        | 99         | 344        | 41         | 0        | 136        | 177        | <b>63</b> | <b>218</b> | 0    | <b>281</b> |
| +15 mins.    | 0        | 0    | 0    | 0    | 0        | 222        | 110        | 332        | 46         | 0        | 153        | 199        | 36        | 196        | 0    | 232        |
| +30 mins.    | 0        | 0    | 0    | 0    | 0        | <b>256</b> | <b>118</b> | <b>374</b> | 74         | <b>1</b> | 135        | 210        | 59        | 213        | 0    | 272        |
| +45 mins.    | 0        | 0    | 0    | 0    | 0        | 253        | 105        | 358        | <b>141</b> | 0        | <b>162</b> | <b>303</b> | 44        | 205        | 0    | 249        |
| Total Volume | 0        | 0    | 0    | 0    | 0        | 976        | 432        | 1408       | 302        | 1        | 586        | 889        | 202       | 832        | 0    | 1034       |
| % App. Total | 0        | 0    | 0    | 0    | 0        | 69.3       | 30.7       |            | 34         | 0.1      | 65.9       |            | 19.5      | 80.5       | 0    |            |
| PHF          | .000     | .000 | .000 | .000 | .000     | .953       | .915       | .941       | .535       | .250     | .904       | .733       | .802      | .954       | .000 | .920       |

City of Placentia  
 N/S: Melrose Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 32PLAMEORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

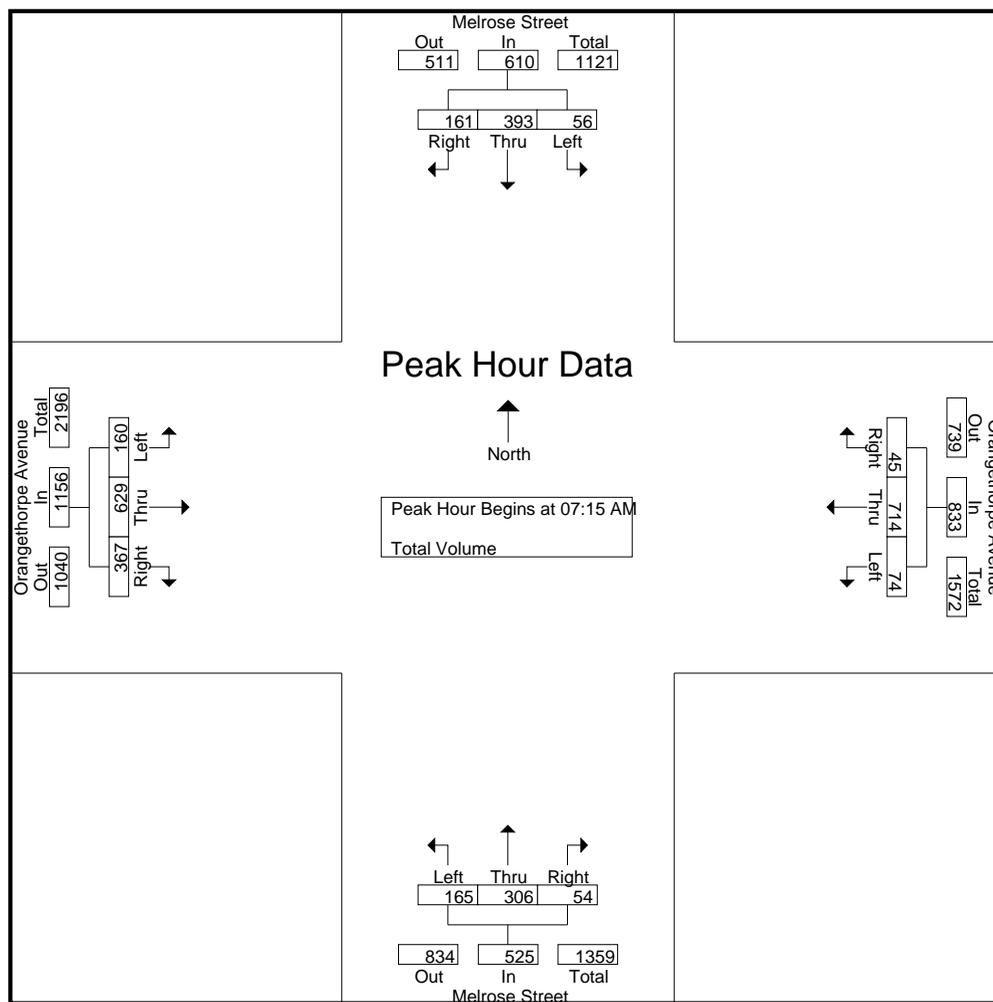
Groups Printed- Total Volume

| Start Time  | Melrose Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 3                         | 46   | 39    | 88         | 6                             | 132  | 8     | 146        | 44                        | 36   | 3     | 83         | 26                            | 107  | 108   | 241        | 558        |
| 07:15 AM    | 17                        | 65   | 39    | 121        | 12                            | 160  | 8     | 180        | 30                        | 65   | 12    | 107        | 43                            | 153  | 87    | 283        | 691        |
| 07:30 AM    | 13                        | 90   | 35    | 138        | 22                            | 184  | 16    | 222        | 48                        | 120  | 7     | 175        | 44                            | 127  | 75    | 246        | 781        |
| 07:45 AM    | 13                        | 138  | 50    | 201        | 16                            | 172  | 16    | 204        | 42                        | 80   | 15    | 137        | 42                            | 181  | 109   | 332        | 874        |
| Total       | 46                        | 339  | 163   | 548        | 56                            | 648  | 48    | 752        | 164                       | 301  | 37    | 502        | 155                           | 568  | 379   | 1102       | 2904       |
| 08:00 AM    | 13                        | 100  | 37    | 150        | 24                            | 198  | 5     | 227        | 45                        | 41   | 20    | 106        | 31                            | 168  | 96    | 295        | 778        |
| 08:15 AM    | 12                        | 45   | 32    | 89         | 19                            | 166  | 5     | 190        | 57                        | 33   | 20    | 110        | 21                            | 149  | 78    | 248        | 637        |
| 08:30 AM    | 10                        | 41   | 26    | 77         | 9                             | 160  | 4     | 173        | 61                        | 42   | 13    | 116        | 20                            | 132  | 94    | 246        | 612        |
| 08:45 AM    | 7                         | 41   | 26    | 74         | 11                            | 151  | 5     | 167        | 33                        | 29   | 11    | 73         | 24                            | 136  | 89    | 249        | 563        |
| Total       | 42                        | 227  | 121   | 390        | 63                            | 675  | 19    | 757        | 196                       | 145  | 64    | 405        | 96                            | 585  | 357   | 1038       | 2590       |
| Grand Total | 88                        | 566  | 284   | 938        | 119                           | 1323 | 67    | 1509       | 360                       | 446  | 101   | 907        | 251                           | 1153 | 736   | 2140       | 5494       |
| Apprch %    | 9.4                       | 60.3 | 30.3  |            | 7.9                           | 87.7 | 4.4   |            | 39.7                      | 49.2 | 11.1  |            | 11.7                          | 53.9 | 34.4  |            |            |
| Total %     | 1.6                       | 10.3 | 5.2   | 17.1       | 2.2                           | 24.1 | 1.2   | 27.5       | 6.6                       | 8.1  | 1.8   | 16.5       | 4.6                           | 21   | 13.4  | 39         |            |

| Start Time   | Melrose Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| 07:15 AM   | 17                        | 65   | 39    | 121        | 12                            | 160  | 8     | 180        | 30                        | 65   | 12    | 107        | 43                            | 153  | 87    | 283        | 691        |
| 07:30 AM   | 13                        | 90   | 35    | 138        | 22                            | 184  | 16    | 222        | 48                        | 120  | 7     | 175        | 44                            | 127  | 75    | 246        | 781        |
| 07:45 AM   | 13                        | 138  | 50    | 201        | 16                            | 172  | 16    | 204        | 42                        | 80   | 15    | 137        | 42                            | 181  | 109   | 332        | 874        |
| 08:00 AM   | 13                        | 100  | 37    | 150        | 24                            | 198  | 5     | 227        | 45                        | 41   | 20    | 106        | 31                            | 168  | 96    | 295        | 778        |
| Total Volume   | 56                        | 393  | 161   | 610        | 74                            | 714  | 45    | 833        | 165                       | 306  | 54    | 525        | 160                           | 629  | 367   | 1156       | 3124       |
| % App. Total   | 9.2                       | 64.4 | 26.4  |            | 8.9                           | 85.7 | 5.4   |            | 31.4                      | 58.3 | 10.3  |            | 13.8                          | 54.4 | 31.7  |            |            |
| PHF  | .824                      | .712 | .805  | .759       | .771                          | .902 | .703  | .917       | .859                      | .638 | .675  | .750       | .909                          | .869 | .842  | .870       | .894       |

City of Placentia  
 N/S: Melrose Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 32PLAMEORAM  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:30 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 17       | 65   | 39   | 121  | 22       | 184  | 16   | 222  | 48       | 120  | 7    | 175  | 43       | 153  | 87   | 283  |
| +15 mins.    | 13       | 90   | 35   | 138  | 16       | 172  | 16   | 204  | 42       | 80   | 15   | 137  | 44       | 127  | 75   | 246  |
| +30 mins.    | 13       | 138  | 50   | 201  | 24       | 198  | 5    | 227  | 45       | 41   | 20   | 106  | 42       | 181  | 109  | 332  |
| +45 mins.    | 13       | 100  | 37   | 150  | 19       | 166  | 5    | 190  | 57       | 33   | 20   | 110  | 31       | 168  | 96   | 295  |
| Total Volume | 56       | 393  | 161  | 610  | 81       | 720  | 42   | 843  | 192      | 274  | 62   | 528  | 160      | 629  | 367  | 1156 |
| % App. Total | 9.2      | 64.4 | 26.4 |      | 9.6      | 85.4 | 5    |      | 36.4     | 51.9 | 11.7 |      | 13.8     | 54.4 | 31.7 |      |
| PHF          | .824     | .712 | .805 | .759 | .844     | .909 | .656 | .928 | .842     | .571 | .775 | .754 | .909     | .869 | .842 | .870 |

City of Placentia  
 N/S: Melrose Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 32PLAMEORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

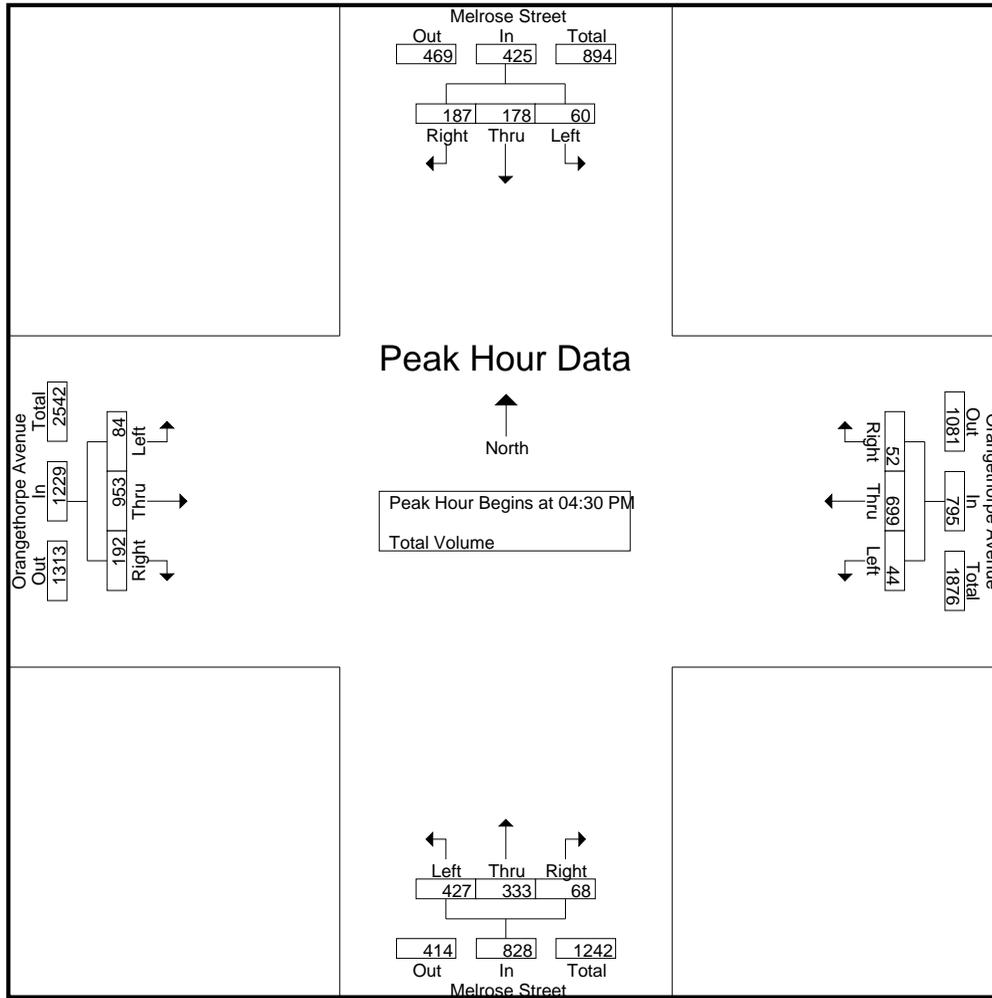
Groups Printed- Total Volume

| Start Time  | Melrose Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Melrose Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 18                        | 51   | 36    | 105        | 14                            | 168  | 12    | 194        | 123                       | 69   | 21    | 213        | 33                            | 214  | 56    | 303        | 815        |
| 04:15 PM    | 16                        | 45   | 47    | 108        | 13                            | 155  | 11    | 179        | 92                        | 66   | 16    | 174        | 28                            | 200  | 38    | 266        | 727        |
| 04:30 PM    | 15                        | 34   | 56    | 105        | 8                             | 182  | 10    | 200        | 96                        | 84   | 18    | 198        | 13                            | 238  | 58    | 309        | 812        |
| 04:45 PM    | 13                        | 53   | 50    | 116        | 10                            | 148  | 15    | 173        | 111                       | 65   | 16    | 192        | 24                            | 217  | 49    | 290        | 771        |
| Total       | 62                        | 183  | 189   | 434        | 45                            | 653  | 48    | 746        | 422                       | 284  | 71    | 777        | 98                            | 869  | 201   | 1168       | 3125       |
| 05:00 PM    | 17                        | 35   | 54    | 106        | 15                            | 192  | 12    | 219        | 117                       | 102  | 13    | 232        | 22                            | 236  | 38    | 296        | 853        |
| 05:15 PM    | 15                        | 56   | 27    | 98         | 11                            | 177  | 15    | 203        | 103                       | 82   | 21    | 206        | 25                            | 262  | 47    | 334        | 841        |
| 05:30 PM    | 16                        | 51   | 45    | 112        | 11                            | 190  | 6     | 207        | 100                       | 65   | 11    | 176        | 15                            | 243  | 45    | 303        | 798        |
| 05:45 PM    | 13                        | 34   | 25    | 72         | 17                            | 184  | 11    | 212        | 63                        | 51   | 10    | 124        | 28                            | 285  | 32    | 345        | 753        |
| Total       | 61                        | 176  | 151   | 388        | 54                            | 743  | 44    | 841        | 383                       | 300  | 55    | 738        | 90                            | 1026 | 162   | 1278       | 3245       |
| Grand Total | 123                       | 359  | 340   | 822        | 99                            | 1396 | 92    | 1587       | 805                       | 584  | 126   | 1515       | 188                           | 1895 | 363   | 2446       | 6370       |
| Apprch %    | 15                        | 43.7 | 41.4  |            | 6.2                           | 88   | 5.8   |            | 53.1                      | 38.5 | 8.3   |            | 7.7                           | 77.5 | 14.8  |            |            |
| Total %     | 1.9                       | 5.6  | 5.3   | 12.9       | 1.6                           | 21.9 | 1.4   | 24.9       | 12.6                      | 9.2  | 2     | 23.8       | 3                             | 29.7 | 5.7   | 38.4       |            |

| Start Time   | Melrose Street Southbound |           |           |            | Orangethorpe Avenue Westbound |            |           |            | Melrose Street Northbound |            |           |            | Orangethorpe Avenue Eastbound |            |           |            | Int. Total |
|--------------|---------------------------|-----------|-----------|------------|-------------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-------------------------------|------------|-----------|------------|------------|
|              | Left                      | Thru      | Right     | App. Total | Left                          | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total | Left                          | Thru       | Right     | App. Total |            |
| 04:30 PM     | 15                        | 34        | <b>56</b> | 105        | 8                             | 182        | 10        | 200        | 96                        | 84         | 18        | 198        | 13                            | 238        | <b>58</b> | 309        | 812        |
| 04:45 PM     | 13                        | 53        | 50        | <b>116</b> | 10                            | 148        | <b>15</b> | 173        | 111                       | 65         | 16        | 192        | 24                            | 217        | 49        | 290        | 771        |
| 05:00 PM     | <b>17</b>                 | 35        | 54        | 106        | <b>15</b>                     | <b>192</b> | 12        | <b>219</b> | <b>117</b>                | <b>102</b> | 13        | <b>232</b> | 22                            | 236        | 38        | 296        | <b>853</b> |
| 05:15 PM     | 15                        | <b>56</b> | 27        | 98         | 11                            | 177        | 15        | 203        | 103                       | 82         | <b>21</b> | 206        | <b>25</b>                     | <b>262</b> | 47        | <b>334</b> | 841        |
| Total Volume | 60                        | 178       | 187       | 425        | 44                            | 699        | 52        | 795        | 427                       | 333        | 68        | 828        | 84                            | 953        | 192       | 1229       | 3277       |
| % App. Total | 14.1                      | 41.9      | 44        |            | 5.5                           | 87.9       | 6.5       |            | 51.6                      | 40.2       | 8.2       |            | 6.8                           | 77.5       | 15.6      |            |            |
| PHF          | .882                      | .795      | .835      | .916       | .733                          | .910       | .867      | .908       | .912                      | .816       | .810      | .892       | .840                          | .909       | .828      | .920       | .960       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:30 PM



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM  |           |           |            | 05:00 PM  |            |           |            | 04:30 PM   |            |           |            | 05:00 PM  |            |           |            |
|--------------|-----------|-----------|-----------|------------|-----------|------------|-----------|------------|------------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 16        | 45        | 47        | 108        | 15        | <b>192</b> | 12        | <b>219</b> | 96         | 84         | 18        | 198        | 22        | 236        | 38        | 296        |
| +15 mins.    | 15        | 34        | <b>56</b> | 105        | 11        | 177        | <b>15</b> | 203        | 111        | 65         | 16        | 192        | 25        | 262        | <b>47</b> | 334        |
| +30 mins.    | 13        | <b>53</b> | 50        | <b>116</b> | 11        | 190        | 6         | 207        | <b>117</b> | <b>102</b> | 13        | <b>232</b> | 15        | 243        | 45        | 303        |
| +45 mins.    | <b>17</b> | 35        | 54        | 106        | <b>17</b> | 184        | 11        | 212        | 103        | 82         | <b>21</b> | 206        | <b>28</b> | <b>285</b> | 32        | <b>345</b> |
| Total Volume | 61        | 167       | 207       | 435        | 54        | 743        | 44        | 841        | 427        | 333        | 68        | 828        | 90        | 1026       | 162       | 1278       |
| % App. Total | 14        | 38.4      | 47.6      |            | 6.4       | 88.3       | 5.2       |            | 51.6       | 40.2       | 8.2       |            | 7         | 80.3       | 12.7      |            |
| PHF          | .897      | .788      | .924      | .938       | .794      | .967       | .733      | .960       | .912       | .816       | .810      | .892       | .804      | .900       | .862      | .926       |

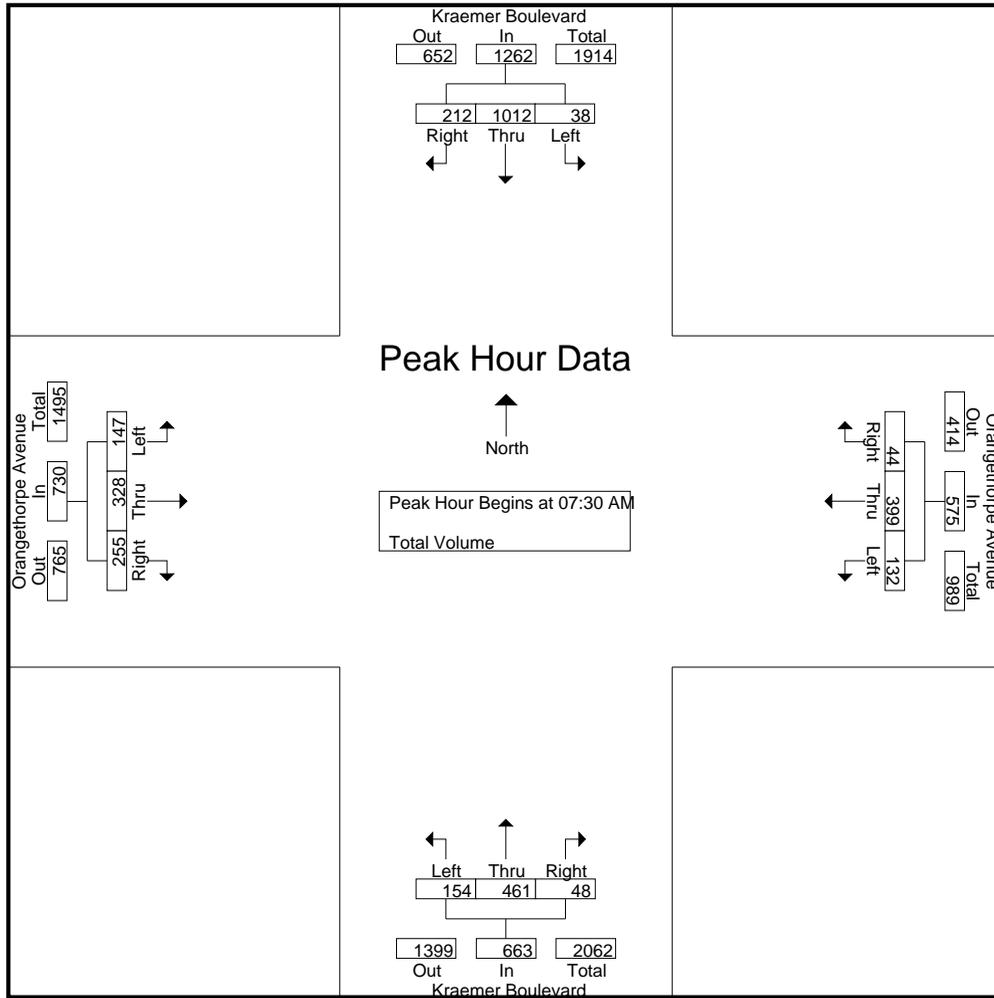
City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 33PLAKRORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 5                            | 223  | 46    | 274        | 30                            | 71   | 2     | 103        | 19                           | 37   | 9     | 65         | 21                            | 40   | 46    | 107        | 549        |
| 07:15 AM    | 8                            | 214  | 58    | 280        | 25                            | 94   | 3     | 122        | 24                           | 86   | 17    | 127        | 28                            | 82   | 66    | 176        | 705        |
| 07:30 AM    | 4                            | 240  | 44    | 288        | 29                            | 96   | 14    | 139        | 36                           | 138  | 16    | 190        | 35                            | 58   | 57    | 150        | 767        |
| 07:45 AM    | 13                           | 272  | 61    | 346        | 38                            | 120  | 16    | 174        | 38                           | 124  | 10    | 172        | 40                            | 117  | 61    | 218        | 910        |
| Total       | 30                           | 949  | 209   | 1188       | 122                           | 381  | 35    | 538        | 117                          | 385  | 52    | 554        | 124                           | 297  | 230   | 651        | 2931       |
| 08:00 AM    | 11                           | 282  | 53    | 346        | 42                            | 93   | 8     | 143        | 46                           | 102  | 14    | 162        | 35                            | 73   | 73    | 181        | 832        |
| 08:15 AM    | 10                           | 218  | 54    | 282        | 23                            | 90   | 6     | 119        | 34                           | 97   | 8     | 139        | 37                            | 80   | 64    | 181        | 721        |
| 08:30 AM    | 10                           | 175  | 41    | 226        | 28                            | 77   | 6     | 111        | 36                           | 79   | 14    | 129        | 27                            | 57   | 58    | 142        | 608        |
| 08:45 AM    | 6                            | 192  | 56    | 254        | 19                            | 82   | 3     | 104        | 38                           | 75   | 7     | 120        | 26                            | 52   | 61    | 139        | 617        |
| Total       | 37                           | 867  | 204   | 1108       | 112                           | 342  | 23    | 477        | 154                          | 353  | 43    | 550        | 125                           | 262  | 256   | 643        | 2778       |
| Grand Total | 67                           | 1816 | 413   | 2296       | 234                           | 723  | 58    | 1015       | 271                          | 738  | 95    | 1104       | 249                           | 559  | 486   | 1294       | 5709       |
| Apprch %    | 2.9                          | 79.1 | 18    |            | 23.1                          | 71.2 | 5.7   |            | 24.5                         | 66.8 | 8.6   |            | 19.2                          | 43.2 | 37.6  |            |            |
| Total %     | 1.2                          | 31.8 | 7.2   | 40.2       | 4.1                           | 12.7 | 1     | 17.8       | 4.7                          | 12.9 | 1.7   | 19.3       | 4.4                           | 9.8  | 8.5   | 22.7       |            |

| Start Time   | Kraemer Boulevard Southbound |            |           |            | Orangethorpe Avenue Westbound |            |           |            | Kraemer Boulevard Northbound |            |           |            | Orangethorpe Avenue Eastbound |            |           |            | Int. Total |
|--|------------------------------|------------|-----------|------------|-------------------------------|------------|-----------|------------|------------------------------|------------|-----------|------------|-------------------------------|------------|-----------|------------|------------|
|  | Left                         | Thru       | Right     | App. Total | Left                          | Thru       | Right     | App. Total | Left                         | Thru       | Right     | App. Total | Left                          | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                              |            |           |            |                               |            |           |            |                              |            |           |            |                               |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                              |            |           |            |                               |            |           |            |                              |            |           |            |                               |            |           |            |            |
| 07:30 AM   | 4                            | 240        | 44        | 288        | 29                            | 96         | 14        | 139        | 36                           | <b>138</b> | <b>16</b> | <b>190</b> | 35                            | 58         | 57        | 150        | 767        |
| 07:45 AM   | <b>13</b>                    | 272        | <b>61</b> | <b>346</b> | 38                            | <b>120</b> | <b>16</b> | <b>174</b> | 38                           | 124        | 10        | 172        | <b>40</b>                     | <b>117</b> | 61        | <b>218</b> | <b>910</b> |
| 08:00 AM   | 11                           | <b>282</b> | 53        | 346        | <b>42</b>                     | 93         | 8         | 143        | <b>46</b>                    | 102        | 14        | 162        | 35                            | 73         | <b>73</b> | 181        | 832        |
| 08:15 AM   | 10                           | 218        | 54        | 282        | 23                            | 90         | 6         | 119        | 34                           | 97         | 8         | 139        | 37                            | 80         | 64        | 181        | 721        |
| Total Volume   | 38                           | 1012       | 212       | 1262       | 132                           | 399        | 44        | 575        | 154                          | 461        | 48        | 663        | 147                           | 328        | 255       | 730        | 3230       |
| % App. Total   | 3                            | 80.2       | 16.8      |            | 23                            | 69.4       | 7.7       |            | 23.2                         | 69.5       | 7.2       |            | 20.1                          | 44.9       | 34.9      |            |            |
| PHF  | .731                         | .897       | .869      | .912       | .786                          | .831       | .688      | .826       | .837                         | .835       | .750      | .872       | .919                          | .701       | .873      | .837       | .887       |



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |            |           |            | 07:15 AM  |            |           |            | 07:30 AM  |            |           |            | 07:30 AM  |            |           |            |
|--------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
| +0 mins.     | 4         | 240        | 44        | 288        | 25        | 94         | 3         | 122        | 36        | <b>138</b> | <b>16</b> | <b>190</b> | 35        | 58         | 57        | 150        |
| +15 mins.    | <b>13</b> | 272        | <b>61</b> | <b>346</b> | 29        | 96         | 14        | 139        | 38        | 124        | 10        | 172        | <b>40</b> | <b>117</b> | 61        | <b>218</b> |
| +30 mins.    | 11        | <b>282</b> | 53        | 346        | 38        | <b>120</b> | <b>16</b> | <b>174</b> | <b>46</b> | 102        | 14        | 162        | 35        | 73         | <b>73</b> | 181        |
| +45 mins.    | 10        | 218        | 54        | 282        | <b>42</b> | 93         | 8         | 143        | 34        | 97         | 8         | 139        | 37        | 80         | 64        | 181        |
| Total Volume | 38        | 1012       | 212       | 1262       | 134       | 403        | 41        | 578        | 154       | 461        | 48        | 663        | 147       | 328        | 255       | 730        |
| % App. Total | 3         | 80.2       | 16.8      |            | 23.2      | 69.7       | 7.1       |            | 23.2      | 69.5       | 7.2       |            | 20.1      | 44.9       | 34.9      |            |
| PHF          | .731      | .897       | .869      | .912       | .798      | .840       | .641      | .830       | .837      | .835       | .750      | .872       | .919      | .701       | .873      | .837       |

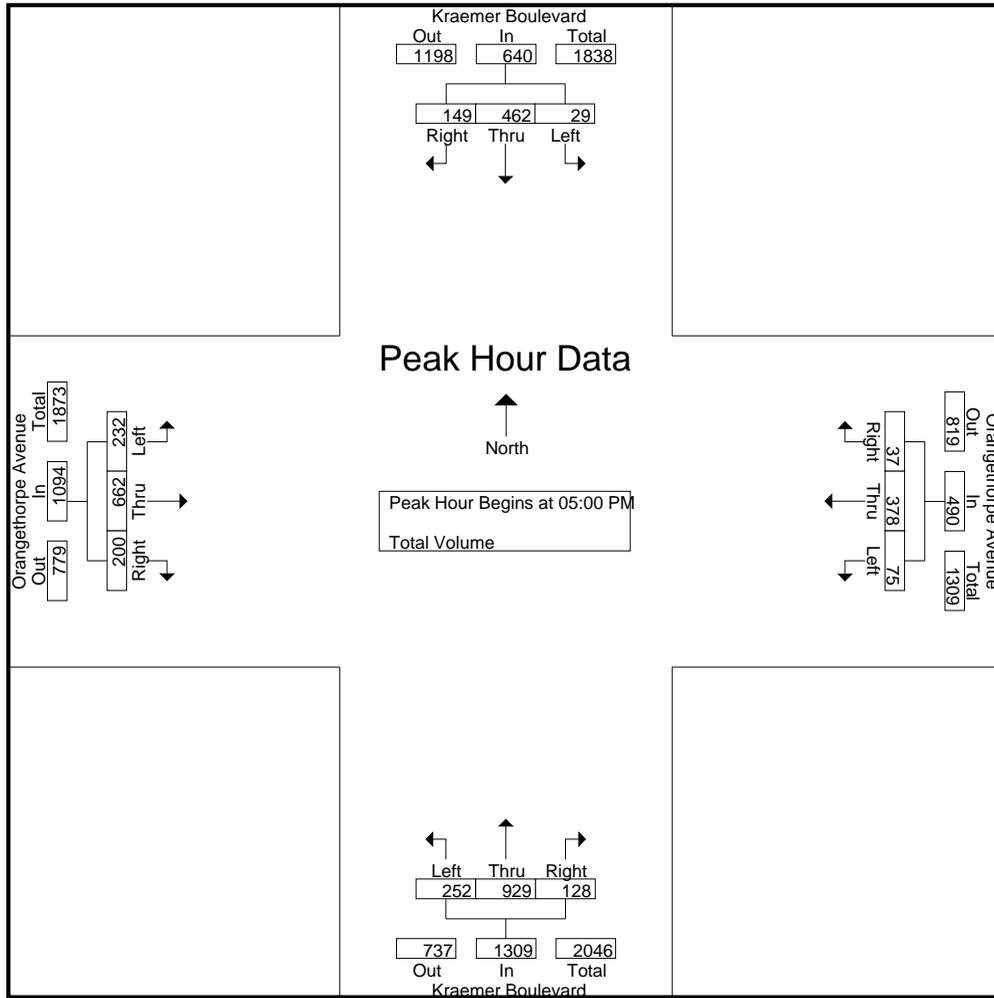
City of Placentia  
 N/S: Kraemer Boulevard  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 33PLAKRORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Groups Printed- Total Volume

| Start Time  | Kraemer Boulevard Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 11                           | 124  | 36    | 171        | 12                            | 79   | 9     | 100        | 58                           | 165  | 17    | 240        | 54                            | 131  | 45    | 230        | 741        |
| 04:15 PM    | 11                           | 136  | 51    | 198        | 11                            | 69   | 13    | 93         | 61                           | 167  | 27    | 255        | 56                            | 141  | 38    | 235        | 781        |
| 04:30 PM    | 8                            | 127  | 44    | 179        | 13                            | 82   | 7     | 102        | 72                           | 205  | 34    | 311        | 58                            | 128  | 52    | 238        | 830        |
| 04:45 PM    | 13                           | 105  | 34    | 152        | 26                            | 87   | 8     | 121        | 63                           | 191  | 25    | 279        | 39                            | 160  | 47    | 246        | 798        |
| Total       | 43                           | 492  | 165   | 700        | 62                            | 317  | 37    | 416        | 254                          | 728  | 103   | 1085       | 207                           | 560  | 182   | 949        | 3150       |
| 05:00 PM    | 9                            | 127  | 47    | 183        | 21                            | 105  | 12    | 138        | 49                           | 225  | 38    | 312        | 62                            | 165  | 51    | 278        | 911        |
| 05:15 PM    | 5                            | 108  | 35    | 148        | 19                            | 98   | 8     | 125        | 78                           | 269  | 23    | 370        | 56                            | 173  | 50    | 279        | 922        |
| 05:30 PM    | 8                            | 120  | 39    | 167        | 14                            | 80   | 7     | 101        | 62                           | 228  | 39    | 329        | 54                            | 162  | 47    | 263        | 860        |
| 05:45 PM    | 7                            | 107  | 28    | 142        | 21                            | 95   | 10    | 126        | 63                           | 207  | 28    | 298        | 60                            | 162  | 52    | 274        | 840        |
| Total       | 29                           | 462  | 149   | 640        | 75                            | 378  | 37    | 490        | 252                          | 929  | 128   | 1309       | 232                           | 662  | 200   | 1094       | 3533       |
| Grand Total | 72                           | 954  | 314   | 1340       | 137                           | 695  | 74    | 906        | 506                          | 1657 | 231   | 2394       | 439                           | 1222 | 382   | 2043       | 6683       |
| Apprch %    | 5.4                          | 71.2 | 23.4  |            | 15.1                          | 76.7 | 8.2   |            | 21.1                         | 69.2 | 9.6   |            | 21.5                          | 59.8 | 18.7  |            |            |
| Total %     | 1.1                          | 14.3 | 4.7   | 20.1       | 2                             | 10.4 | 1.1   | 13.6       | 7.6                          | 24.8 | 3.5   | 35.8       | 6.6                           | 18.3 | 5.7   | 30.6       |            |

| Start Time   | Kraemer Boulevard Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Kraemer Boulevard Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                         | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                              |      |       |            |                               |      |       |            |                              |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 05:00 PM       |                              |      |       |            |                               |      |       |            |                              |      |       |            |                               |      |       |            |            |
| 05:00 PM   | 9                            | 127  | 47    | 183        | 21                            | 105  | 12    | 138        | 49                           | 225  | 38    | 312        | 62                            | 165  | 51    | 278        | 911        |
| 05:15 PM   | 5                            | 108  | 35    | 148        | 19                            | 98   | 8     | 125        | 78                           | 269  | 23    | 370        | 56                            | 173  | 50    | 279        | 922        |
| 05:30 PM   | 8                            | 120  | 39    | 167        | 14                            | 80   | 7     | 101        | 62                           | 228  | 39    | 329        | 54                            | 162  | 47    | 263        | 860        |
| 05:45 PM   | 7                            | 107  | 28    | 142        | 21                            | 95   | 10    | 126        | 63                           | 207  | 28    | 298        | 60                            | 162  | 52    | 274        | 840        |
| Total Volume   | 29                           | 462  | 149   | 640        | 75                            | 378  | 37    | 490        | 252                          | 929  | 128   | 1309       | 232                           | 662  | 200   | 1094       | 3533       |
| % App. Total   | 4.5                          | 72.2 | 23.3  |            | 15.3                          | 77.1 | 7.6   |            | 19.3                         | 71   | 9.8   |            | 21.2                          | 60.5 | 18.3  |            |            |
| PHF  | .806                         | .909 | .793  | .874       | .893                          | .900 | .771  | .888       | .808                         | .863 | .821  | .884       | .935                          | .957 | .962  | .980       | .958       |



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM |      |      |      | 05:00 PM |      |      |      | 05:00 PM |      |      |      | 05:00 PM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 11       | 136  | 51   | 198  | 21       | 105  | 12   | 138  | 49       | 225  | 38   | 312  | 62       | 165  | 51   | 278  |
| +15 mins.    | 8        | 127  | 44   | 179  | 19       | 98   | 8    | 125  | 78       | 269  | 23   | 370  | 56       | 173  | 50   | 279  |
| +30 mins.    | 13       | 105  | 34   | 152  | 14       | 80   | 7    | 101  | 62       | 228  | 39   | 329  | 54       | 162  | 47   | 263  |
| +45 mins.    | 9        | 127  | 47   | 183  | 21       | 95   | 10   | 126  | 63       | 207  | 28   | 298  | 60       | 162  | 52   | 274  |
| Total Volume | 41       | 495  | 176  | 712  | 75       | 378  | 37   | 490  | 252      | 929  | 128  | 1309 | 232      | 662  | 200  | 1094 |
| % App. Total | 5.8      | 69.5 | 24.7 |      | 15.3     | 77.1 | 7.6  |      | 19.3     | 71   | 9.8  |      | 21.2     | 60.5 | 18.3 |      |
| PHF          | .788     | .910 | .863 | .899 | .893     | .900 | .771 | .888 | .808     | .863 | .821 | .884 | .935     | .957 | .962 | .980 |

City of Placentia  
 N/S: Crowther Avenue / Miller Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 34PLACRORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

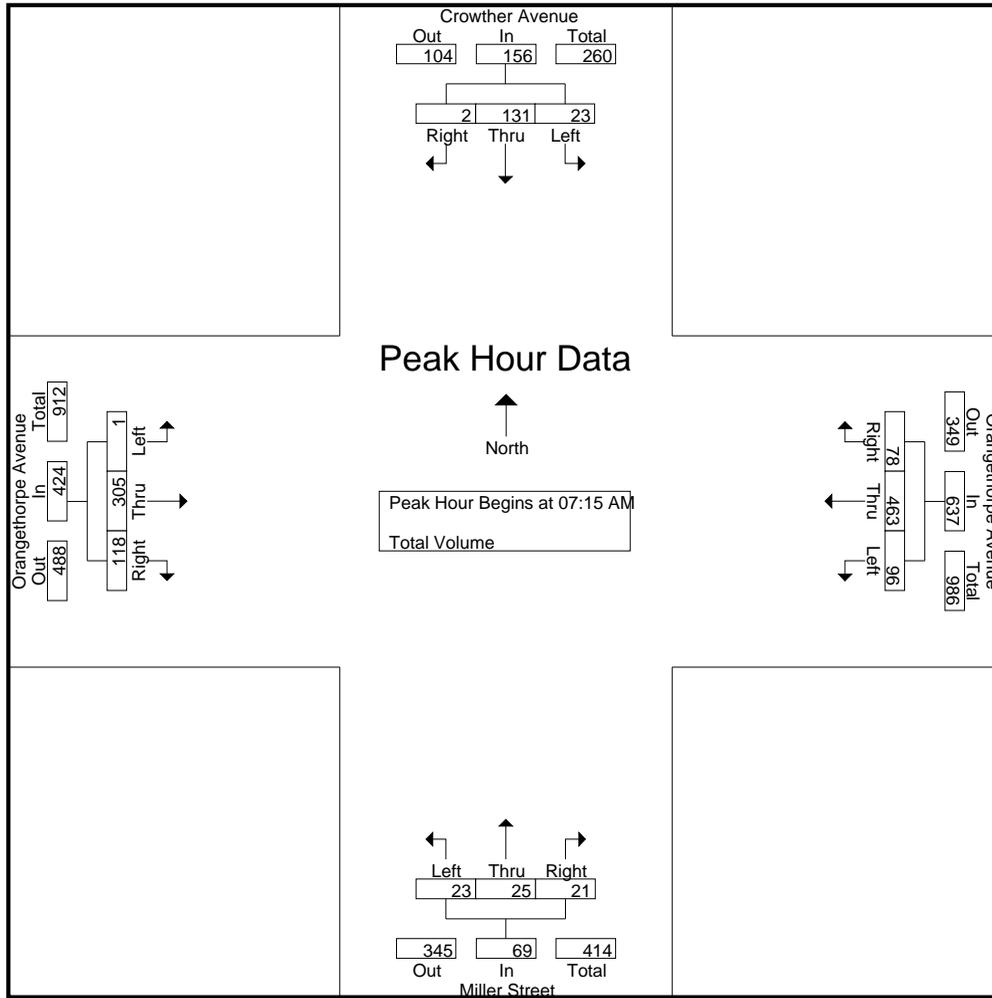
Groups Printed- Total Volume

| Start Time  | Crowther Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Miller Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|-------------------------------|------|-------|------------|--------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 3                          | 16   | 0     | 19         | 22                            | 75   | 9     | 106        | 0                        | 4    | 3     | 7          | 0                             | 38   | 17    | 55         | 187        |
| 07:15 AM    | 6                          | 31   | 0     | 37         | 23                            | 98   | 9     | 130        | 7                        | 5    | 7     | 19         | 1                             | 72   | 25    | 98         | 284        |
| 07:30 AM    | 9                          | 33   | 0     | 42         | 20                            | 111  | 23    | 154        | 3                        | 8    | 2     | 13         | 0                             | 69   | 23    | 92         | 301        |
| 07:45 AM    | 7                          | 44   | 0     | 51         | 30                            | 143  | 30    | 203        | 6                        | 5    | 7     | 18         | 0                             | 84   | 37    | 121        | 393        |
| Total       | 25                         | 124  | 0     | 149        | 95                            | 427  | 71    | 593        | 16                       | 22   | 19    | 57         | 1                             | 263  | 102   | 366        | 1165       |
| 08:00 AM    | 1                          | 23   | 2     | 26         | 23                            | 111  | 16    | 150        | 7                        | 7    | 5     | 19         | 0                             | 80   | 33    | 113        | 308        |
| 08:15 AM    | 5                          | 28   | 1     | 34         | 28                            | 82   | 17    | 127        | 9                        | 5    | 10    | 24         | 0                             | 68   | 25    | 93         | 278        |
| 08:30 AM    | 13                         | 15   | 1     | 29         | 14                            | 73   | 12    | 99         | 6                        | 7    | 7     | 20         | 0                             | 64   | 13    | 77         | 225        |
| 08:45 AM    | 13                         | 28   | 2     | 43         | 22                            | 76   | 10    | 108        | 16                       | 7    | 6     | 29         | 0                             | 47   | 15    | 62         | 242        |
| Total       | 32                         | 94   | 6     | 132        | 87                            | 342  | 55    | 484        | 38                       | 26   | 28    | 92         | 0                             | 259  | 86    | 345        | 1053       |
| Grand Total | 57                         | 218  | 6     | 281        | 182                           | 769  | 126   | 1077       | 54                       | 48   | 47    | 149        | 1                             | 522  | 188   | 711        | 2218       |
| Apprch %    | 20.3                       | 77.6 | 2.1   |            | 16.9                          | 71.4 | 11.7  |            | 36.2                     | 32.2 | 31.5  |            | 0.1                           | 73.4 | 26.4  |            |            |
| Total %     | 2.6                        | 9.8  | 0.3   | 12.7       | 8.2                           | 34.7 | 5.7   | 48.6       | 2.4                      | 2.2  | 2.1   | 6.7        | 0                             | 23.5 | 8.5   | 32.1       |            |

| Start Time   | Crowther Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Miller Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|-------------------------------|------|-------|------------|--------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                            |      |       |            |                               |      |       |            |                          |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                            |      |       |            |                               |      |       |            |                          |      |       |            |                               |      |       |            |            |
| 07:15 AM   | 6                          | 31   | 0     | 37         | 23                            | 98   | 9     | 130        | 7                        | 5    | 7     | 19         | 1                             | 72   | 25    | 98         | 284        |
| 07:30 AM   | 9                          | 33   | 0     | 42         | 20                            | 111  | 23    | 154        | 3                        | 8    | 2     | 13         | 0                             | 69   | 23    | 92         | 301        |
| 07:45 AM   | 7                          | 44   | 0     | 51         | 30                            | 143  | 30    | 203        | 6                        | 5    | 7     | 18         | 0                             | 84   | 37    | 121        | 393        |
| 08:00 AM   | 1                          | 23   | 2     | 26         | 23                            | 111  | 16    | 150        | 7                        | 7    | 5     | 19         | 0                             | 80   | 33    | 113        | 308        |
| Total Volume   | 23                         | 131  | 2     | 156        | 96                            | 463  | 78    | 637        | 23                       | 25   | 21    | 69         | 1                             | 305  | 118   | 424        | 1286       |
| % App. Total   | 14.7                       | 84   | 1.3   |            | 15.1                          | 72.7 | 12.2  |            | 33.3                     | 36.2 | 30.4  |            | 0.2                           | 71.9 | 27.8  |            |            |
| PHF  | .639                       | .744 | .250  | .765       | .800                          | .809 | .650  | .784       | .821                     | .781 | .750  | .908       | .250                          | .908 | .797  | .876       | .818       |

City of Placentia  
 N/S: Crowther Avenue / Miller Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 34PLACRORAM  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 08:00 AM |      |      |      | 07:15 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 6        | 31   | 0    | 37   | 23       | 98   | 9    | 130  | 7        | 7    | 5    | 19   | 1        | 72   | 25   | 98   |
| +15 mins.    | 9        | 33   | 0    | 42   | 20       | 111  | 23   | 154  | 9        | 5    | 10   | 24   | 0        | 69   | 23   | 92   |
| +30 mins.    | 7        | 44   | 0    | 51   | 30       | 143  | 30   | 203  | 6        | 7    | 7    | 20   | 0        | 84   | 37   | 121  |
| +45 mins.    | 1        | 23   | 2    | 26   | 23       | 111  | 16   | 150  | 16       | 7    | 6    | 29   | 0        | 80   | 33   | 113  |
| Total Volume | 23       | 131  | 2    | 156  | 96       | 463  | 78   | 637  | 38       | 26   | 28   | 92   | 1        | 305  | 118  | 424  |
| % App. Total | 14.7     | 84   | 1.3  |      | 15.1     | 72.7 | 12.2 |      | 41.3     | 28.3 | 30.4 |      | 0.2      | 71.9 | 27.8 |      |
| PHF          | .639     | .744 | .250 | .765 | .800     | .809 | .650 | .784 | .594     | .929 | .700 | .793 | .250     | .908 | .797 | .876 |

City of Placentia  
 N/S: Crowther Avenue / Miller Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 34PLACRORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

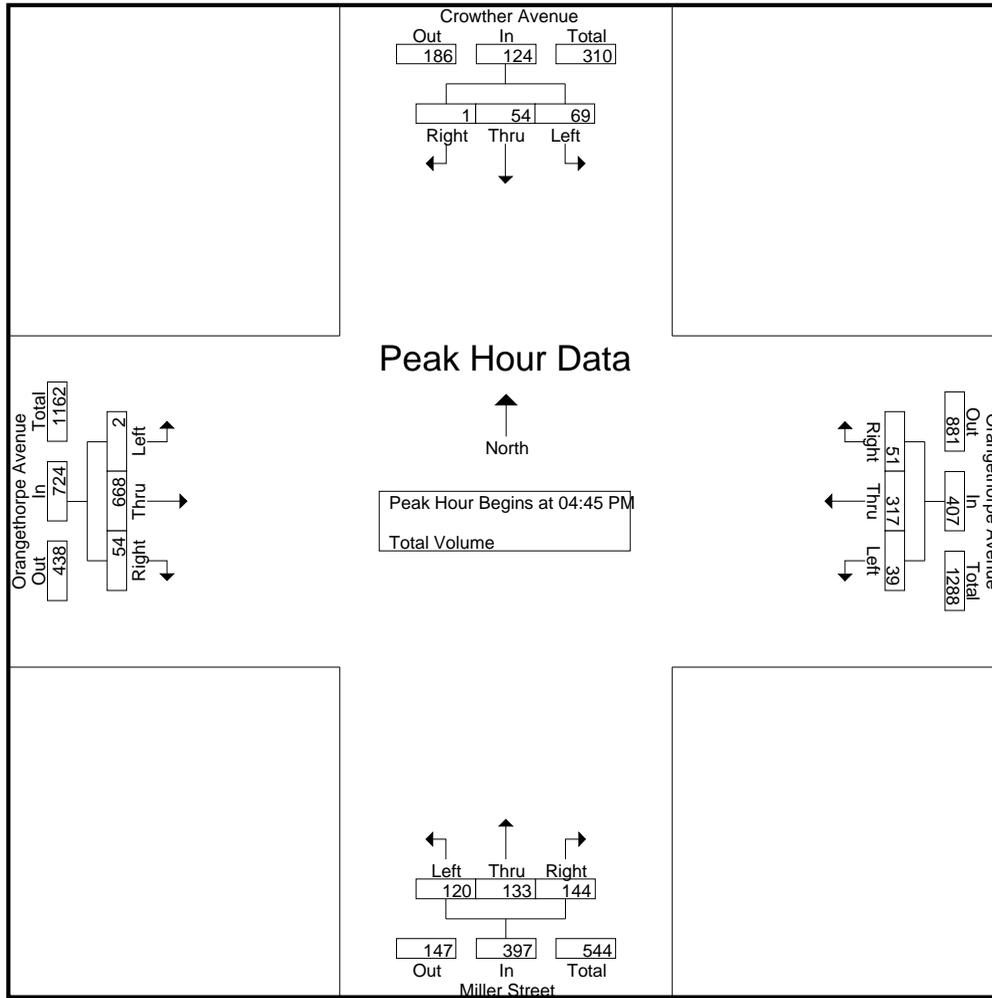
Groups Printed- Total Volume

| Start Time  | Crowther Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Miller Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|----------------------------|------|-------|------------|-------------------------------|------|-------|------------|--------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                       | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 19                         | 9    | 1     | 29         | 5                             | 57   | 13    | 75         | 28                       | 35   | 21    | 84         | 0                             | 121  | 26    | 147        | 335        |
| 04:15 PM    | 12                         | 10   | 0     | 22         | 6                             | 61   | 5     | 72         | 18                       | 25   | 25    | 68         | 0                             | 143  | 16    | 159        | 321        |
| 04:30 PM    | 20                         | 11   | 1     | 32         | 9                             | 67   | 15    | 91         | 26                       | 34   | 35    | 95         | 0                             | 144  | 12    | 156        | 374        |
| 04:45 PM    | 18                         | 14   | 0     | 32         | 6                             | 86   | 16    | 108        | 27                       | 40   | 33    | 100        | 0                             | 152  | 15    | 167        | 407        |
| Total       | 69                         | 44   | 2     | 115        | 26                            | 271  | 49    | 346        | 99                       | 134  | 114   | 347        | 0                             | 560  | 69    | 629        | 1437       |
| 05:00 PM    | 21                         | 12   | 1     | 34         | 11                            | 75   | 16    | 102        | 48                       | 32   | 45    | 125        | 1                             | 172  | 7     | 180        | 441        |
| 05:15 PM    | 16                         | 14   | 0     | 30         | 14                            | 86   | 8     | 108        | 24                       | 26   | 35    | 85         | 1                             | 168  | 12    | 181        | 404        |
| 05:30 PM    | 14                         | 14   | 0     | 28         | 8                             | 70   | 11    | 89         | 21                       | 35   | 31    | 87         | 0                             | 176  | 20    | 196        | 400        |
| 05:45 PM    | 16                         | 12   | 1     | 29         | 11                            | 85   | 27    | 123        | 28                       | 32   | 15    | 75         | 0                             | 151  | 13    | 164        | 391        |
| Total       | 67                         | 52   | 2     | 121        | 44                            | 316  | 62    | 422        | 121                      | 125  | 126   | 372        | 2                             | 667  | 52    | 721        | 1636       |
| Grand Total | 136                        | 96   | 4     | 236        | 70                            | 587  | 111   | 768        | 220                      | 259  | 240   | 719        | 2                             | 1227 | 121   | 1350       | 3073       |
| Apprch %    | 57.6                       | 40.7 | 1.7   |            | 9.1                           | 76.4 | 14.5  |            | 30.6                     | 36   | 33.4  |            | 0.1                           | 90.9 | 9     |            |            |
| Total %     | 4.4                        | 3.1  | 0.1   | 7.7        | 2.3                           | 19.1 | 3.6   | 25         | 7.2                      | 8.4  | 7.8   | 23.4       | 0.1                           | 39.9 | 3.9   | 43.9       |            |

| Start Time   | Crowther Avenue Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Miller Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|----------------------------|------|-------|------------|-------------------------------|------|-------|------------|--------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                       | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                     | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                            |      |       |            |                               |      |       |            |                          |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                            |      |       |            |                               |      |       |            |                          |      |       |            |                               |      |       |            |            |
| 04:45 PM   | 18                         | 14   | 0     | 32         | 6                             | 86   | 16    | 108        | 27                       | 40   | 33    | 100        | 0                             | 152  | 15    | 167        | 407        |
| 05:00 PM   | 21                         | 12   | 1     | 34         | 11                            | 75   | 16    | 102        | 48                       | 32   | 45    | 125        | 1                             | 172  | 7     | 180        | 441        |
| 05:15 PM   | 16                         | 14   | 0     | 30         | 14                            | 86   | 8     | 108        | 24                       | 26   | 35    | 85         | 1                             | 168  | 12    | 181        | 404        |
| 05:30 PM   | 14                         | 14   | 0     | 28         | 8                             | 70   | 11    | 89         | 21                       | 35   | 31    | 87         | 0                             | 176  | 20    | 196        | 400        |
| Total Volume   | 69                         | 54   | 1     | 124        | 39                            | 317  | 51    | 407        | 120                      | 133  | 144   | 397        | 2                             | 668  | 54    | 724        | 1652       |
| % App. Total   | 55.6                       | 43.5 | 0.8   |            | 9.6                           | 77.9 | 12.5  |            | 30.2                     | 33.5 | 36.3  |            | 0.3                           | 92.3 | 7.5   |            |            |
| PHF  | .821                       | .964 | .250  | .912       | .696                          | .922 | .797  | .942       | .625                     | .831 | .800  | .794       | .500                          | .949 | .675  | .923       | .937       |

City of Placentia  
 N/S: Crowther Avenue / Miller Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 34PLACRORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |           |      |           | 05:00 PM  |           |           |            | 04:30 PM  |           |           |            | 04:45 PM |            |           |            |
|--------------|-----------|-----------|------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|------------|----------|------------|-----------|------------|
| +0 mins.     | 20        | 11        | 1    | 32        | 11        | 75        | 16        | 102        | 26        | 34        | 35        | 95         | 0        | 152        | 15        | 167        |
| +15 mins.    | 18        | <b>14</b> | 0    | 32        | <b>14</b> | <b>86</b> | 8         | 108        | 27        | <b>40</b> | 33        | 100        | <b>1</b> | 172        | 7         | 180        |
| +30 mins.    | <b>21</b> | 12        | 1    | <b>34</b> | 8         | 70        | 11        | 89         | <b>48</b> | 32        | <b>45</b> | <b>125</b> | 1        | 168        | 12        | 181        |
| +45 mins.    | 16        | 14        | 0    | 30        | 11        | 85        | <b>27</b> | <b>123</b> | 24        | 26        | 35        | 85         | 0        | <b>176</b> | <b>20</b> | <b>196</b> |
| Total Volume | 75        | 51        | 2    | 128       | 44        | 316       | 62        | 422        | 125       | 132       | 148       | 405        | 2        | 668        | 54        | 724        |
| % App. Total | 58.6      | 39.8      | 1.6  |           | 10.4      | 74.9      | 14.7      |            | 30.9      | 32.6      | 36.5      |            | 0.3      | 92.3       | 7.5       |            |
| PHF          | .893      | .911      | .500 | .941      | .786      | .919      | .574      | .858       | .651      | .825      | .822      | .810       | .500     | .949       | .675      | .923       |

City of Placentia  
 N/S: Chapman Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 35PLACHORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

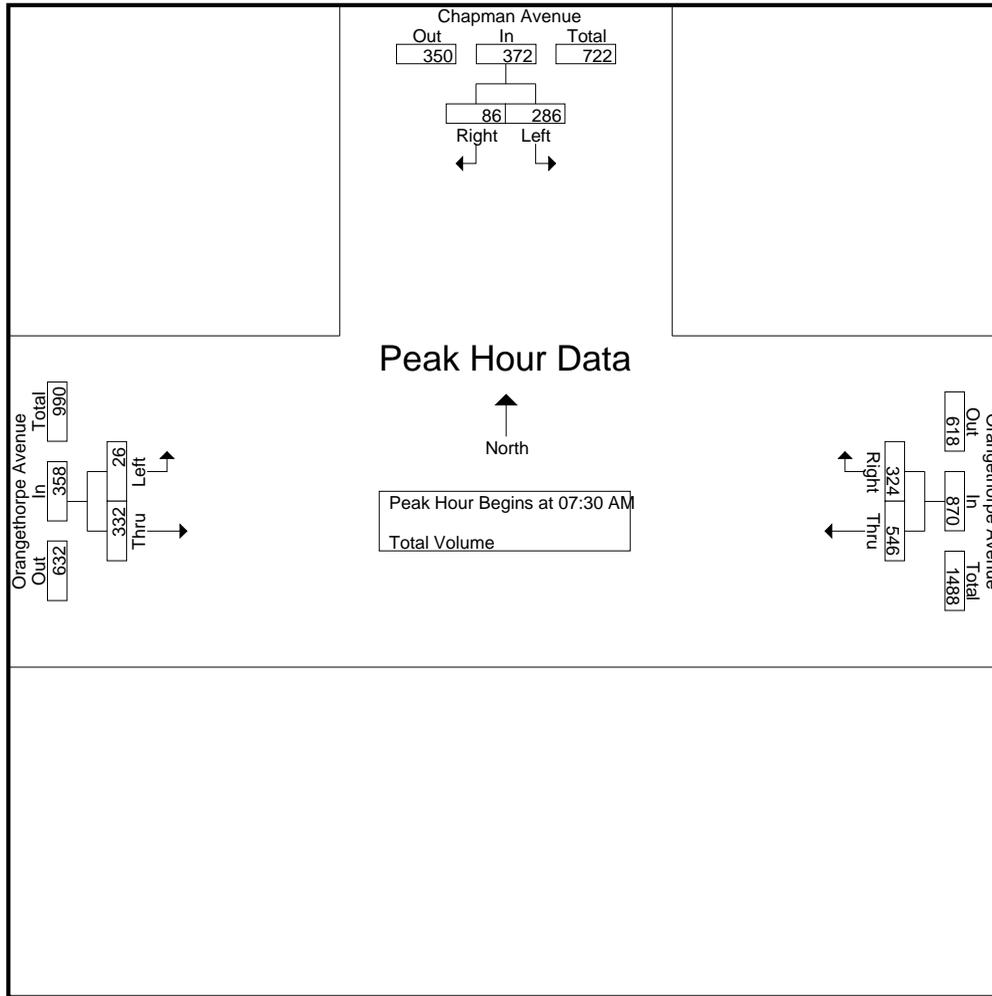
| Start Time  | Chapman Avenue Southbound |       |            | Orangethorpe Avenue Westbound |       |            | Orangethorpe Avenue Eastbound |      |            | Int. Total |
|-------------|---------------------------|-------|------------|-------------------------------|-------|------------|-------------------------------|------|------------|------------|
|             | Left                      | Right | App. Total | Thru                          | Right | App. Total | Left                          | Thru | App. Total |            |
| 07:00 AM    | 42                        | 19    | 61         | 87                            | 48    | 135        | 2                             | 39   | 41         | 237        |
| 07:15 AM    | 61                        | 16    | 77         | 110                           | 72    | 182        | 2                             | 69   | 71         | 330        |
| 07:30 AM    | 65                        | 16    | 81         | 126                           | 106   | 232        | 1                             | 86   | 87         | 400        |
| 07:45 AM    | 84                        | 19    | 103        | 198                           | 80    | 278        | 5                             | 98   | 103        | 484        |
| Total       | 252                       | 70    | 322        | 521                           | 306   | 827        | 10                            | 292  | 302        | 1451       |
| 08:00 AM    | 72                        | 23    | 95         | 130                           | 83    | 213        | 8                             | 69   | 77         | 385        |
| 08:15 AM    | 65                        | 28    | 93         | 92                            | 55    | 147        | 12                            | 79   | 91         | 331        |
| 08:30 AM    | 48                        | 11    | 59         | 93                            | 67    | 160        | 2                             | 82   | 84         | 303        |
| 08:45 AM    | 52                        | 14    | 66         | 88                            | 42    | 130        | 2                             | 70   | 72         | 268        |
| Total       | 237                       | 76    | 313        | 403                           | 247   | 650        | 24                            | 300  | 324        | 1287       |
| Grand Total | 489                       | 146   | 635        | 924                           | 553   | 1477       | 34                            | 592  | 626        | 2738       |
| Apprch %    | 77                        | 23    |            | 62.6                          | 37.4  |            | 5.4                           | 94.6 |            |            |
| Total %     | 17.9                      | 5.3   | 23.2       | 33.7                          | 20.2  | 53.9       | 1.2                           | 21.6 | 22.9       |            |

| Start Time   | Chapman Avenue Southbound |           |            | Orangethorpe Avenue Westbound |            |            | Orangethorpe Avenue Eastbound |           |            | Int. Total |
|--------------|---------------------------|-----------|------------|-------------------------------|------------|------------|-------------------------------|-----------|------------|------------|
|              | Left                      | Right     | App. Total | Thru                          | Right      | App. Total | Left                          | Thru      | App. Total |            |
| 07:30 AM     | 65                        | 16        | 81         | 126                           | <b>106</b> | 232        | 1                             | 86        | 87         | 400        |
| 07:45 AM     | <b>84</b>                 | 19        | <b>103</b> | <b>198</b>                    | 80         | <b>278</b> | 5                             | <b>98</b> | <b>103</b> | <b>484</b> |
| 08:00 AM     | 72                        | 23        | 95         | 130                           | 83         | 213        | 8                             | 69        | 77         | 385        |
| 08:15 AM     | 65                        | <b>28</b> | 93         | 92                            | 55         | 147        | <b>12</b>                     | 79        | 91         | 331        |
| Total Volume | 286                       | 86        | 372        | 546                           | 324        | 870        | 26                            | 332       | 358        | 1600       |
| % App. Total | 76.9                      | 23.1      |            | 62.8                          | 37.2       |            | 7.3                           | 92.7      |            |            |
| PHF          | .851                      | .768      | .903       | .689                          | .764       | .782       | .542                          | .847      | .869       | .826       |

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:30 AM

City of Placentia  
 N/S: Chapman Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 35PLACHORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:30 AM  |           |            | 07:15 AM   |            |            | 07:30 AM  |           |            |
|--------------|-----------|-----------|------------|------------|------------|------------|-----------|-----------|------------|
| +0 mins.     | 65        | 16        | 81         | 110        | 72         | 182        | 1         | 86        | 87         |
| +15 mins.    | <b>84</b> | 19        | <b>103</b> | 126        | <b>106</b> | 232        | 5         | <b>98</b> | <b>103</b> |
| +30 mins.    | 72        | 23        | 95         | <b>198</b> | 80         | <b>278</b> | 8         | 69        | 77         |
| +45 mins.    | 65        | <b>28</b> | 93         | 130        | 83         | 213        | <b>12</b> | 79        | 91         |
| Total Volume | 286       | 86        | 372        | 564        | 341        | 905        | 26        | 332       | 358        |
| % App. Total | 76.9      | 23.1      |            | 62.3       | 37.7       |            | 7.3       | 92.7      |            |
| PHF          | .851      | .768      | .903       | .712       | .804       | .814       | .542      | .847      | .869       |

City of Placentia  
 N/S: Chapman Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 35PLACHORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

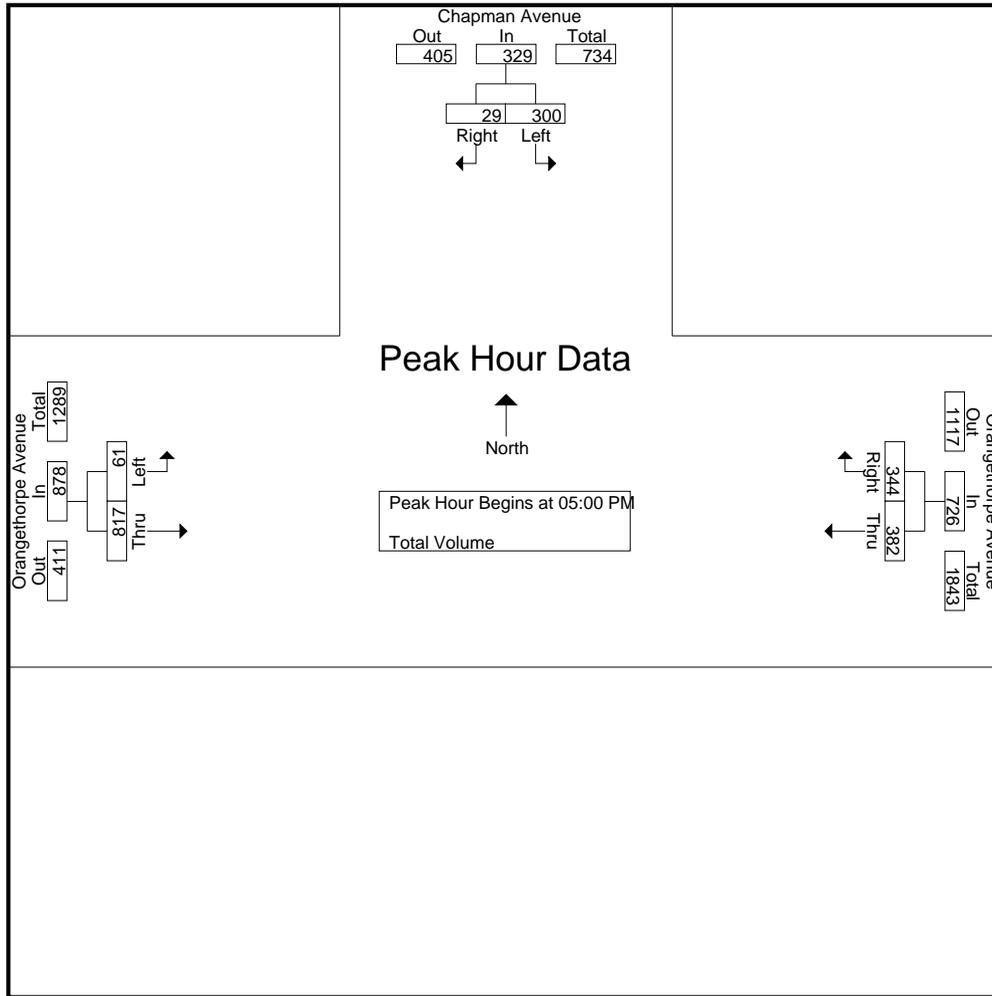
| Start Time  | Chapman Avenue Southbound |       |            | Orangethorpe Avenue Westbound |       |            | Orangethorpe Avenue Eastbound |      |            | Int. Total |
|-------------|---------------------------|-------|------------|-------------------------------|-------|------------|-------------------------------|------|------------|------------|
|             | Left                      | Right | App. Total | Thru                          | Right | App. Total | Left                          | Thru | App. Total |            |
| 04:00 PM    | 70                        | 9     | 79         | 67                            | 69    | 136        | 9                             | 150  | 159        | 374        |
| 04:15 PM    | 68                        | 6     | 74         | 65                            | 77    | 142        | 17                            | 174  | 191        | 407        |
| 04:30 PM    | 67                        | 11    | 78         | 87                            | 55    | 142        | 9                             | 179  | 188        | 408        |
| 04:45 PM    | 70                        | 6     | 76         | 100                           | 69    | 169        | 16                            | 193  | 209        | 454        |
| Total       | 275                       | 32    | 307        | 319                           | 270   | 589        | 51                            | 696  | 747        | 1643       |
| 05:00 PM    | 73                        | 3     | 76         | 102                           | 80    | 182        | 21                            | 223  | 244        | 502        |
| 05:15 PM    | 57                        | 11    | 68         | 97                            | 112   | 209        | 13                            | 220  | 233        | 510        |
| 05:30 PM    | 71                        | 6     | 77         | 86                            | 86    | 172        | 16                            | 184  | 200        | 449        |
| 05:45 PM    | 99                        | 9     | 108        | 97                            | 66    | 163        | 11                            | 190  | 201        | 472        |
| Total       | 300                       | 29    | 329        | 382                           | 344   | 726        | 61                            | 817  | 878        | 1933       |
| Grand Total | 575                       | 61    | 636        | 701                           | 614   | 1315       | 112                           | 1513 | 1625       | 3576       |
| Apprch %    | 90.4                      | 9.6   |            | 53.3                          | 46.7  |            | 6.9                           | 93.1 |            |            |
| Total %     | 16.1                      | 1.7   | 17.8       | 19.6                          | 17.2  | 36.8       | 3.1                           | 42.3 | 45.4       |            |

| Start Time   | Chapman Avenue Southbound |       |            | Orangethorpe Avenue Westbound |            |            | Orangethorpe Avenue Eastbound |            |            | Int. Total |
|--------------|---------------------------|-------|------------|-------------------------------|------------|------------|-------------------------------|------------|------------|------------|
|              | Left                      | Right | App. Total | Thru                          | Right      | App. Total | Left                          | Thru       | App. Total |            |
| 05:00 PM     | 73                        | 3     | 76         | <b>102</b>                    | 80         | 182        | <b>21</b>                     | <b>223</b> | <b>244</b> | 502        |
| 05:15 PM     | 57                        | 11    | 68         | 97                            | <b>112</b> | <b>209</b> | 13                            | 220        | 233        | <b>510</b> |
| 05:30 PM     | 71                        | 6     | 77         | 86                            | 86         | 172        | 16                            | 184        | 200        | 449        |
| 05:45 PM     | <b>99</b>                 | 9     | <b>108</b> | 97                            | 66         | 163        | 11                            | 190        | 201        | 472        |
| Total Volume | 300                       | 29    | 329        | 382                           | 344        | 726        | 61                            | 817        | 878        | 1933       |
| % App. Total | 91.2                      | 8.8   |            | 52.6                          | 47.4       |            | 6.9                           | 93.1       |            |            |
| PHF          | .758                      | .659  | .762       | .936                          | .768       | .868       | .726                          | .916       | .900       | .948       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 05:00 PM

City of Placentia  
 N/S: Chapman Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 35PLACHORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 05:00 PM |      |      | 04:45 PM |      |      | 04:45 PM |      |      |
|--------------|----------|------|------|----------|------|------|----------|------|------|
| +0 mins.     | 73       | 3    | 76   | 100      | 69   | 169  | 16       | 193  | 209  |
| +15 mins.    | 57       | 11   | 68   | 102      | 80   | 182  | 21       | 223  | 244  |
| +30 mins.    | 71       | 6    | 77   | 97       | 112  | 209  | 13       | 220  | 233  |
| +45 mins.    | 99       | 9    | 108  | 86       | 86   | 172  | 16       | 184  | 200  |
| Total Volume | 300      | 29   | 329  | 385      | 347  | 732  | 66       | 820  | 886  |
| % App. Total | 91.2     | 8.8  |      | 52.6     | 47.4 |      | 7.4      | 92.6 |      |
| PHF          | .758     | .659 | .762 | .944     | .775 | .876 | .786     | .919 | .908 |

City of Placentia  
 N/S: Rose Drive  
 E/W: Del Cerro Drive  
 Weather: Clear

File Name : 36PLARODCAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

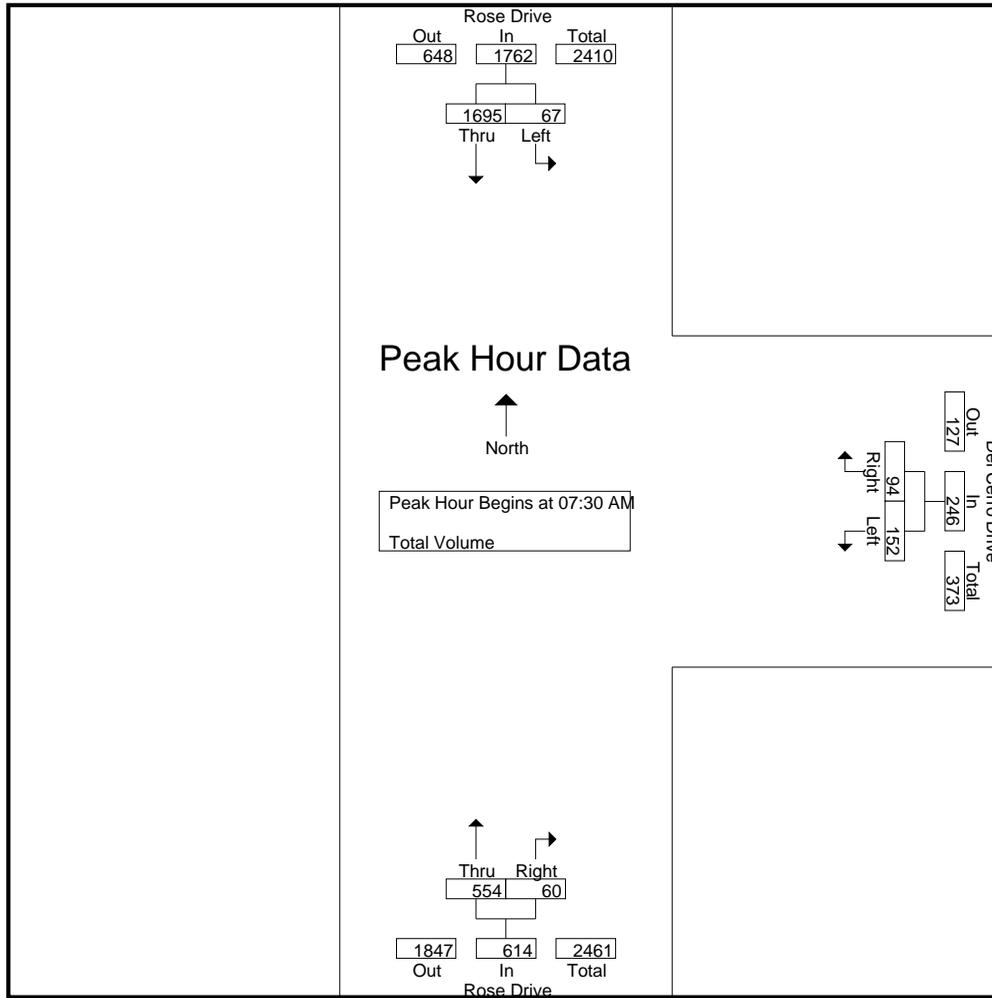
| Start Time  | Rose Drive Southbound |      |            | Del Cerro Drive Westbound |       |            | Rose Drive Northbound |       |            | Int. Total |
|-------------|-----------------------|------|------------|---------------------------|-------|------------|-----------------------|-------|------------|------------|
|             | Left                  | Thru | App. Total | Left                      | Right | App. Total | Thru                  | Right | App. Total |            |
| 07:00 AM    | 11                    | 396  | 407        | 35                        | 9     | 44         | 83                    | 16    | 99         | 550        |
| 07:15 AM    | 17                    | 361  | 378        | 36                        | 21    | 57         | 101                   | 13    | 114        | 549        |
| 07:30 AM    | 18                    | 423  | 441        | 31                        | 31    | 62         | 132                   | 17    | 149        | 652        |
| 07:45 AM    | 27                    | 488  | 515        | 38                        | 22    | 60         | 156                   | 9     | 165        | 740        |
| Total       | 73                    | 1668 | 1741       | 140                       | 83    | 223        | 472                   | 55    | 527        | 2491       |
| 08:00 AM    | 12                    | 416  | 428        | 47                        | 22    | 69         | 123                   | 21    | 144        | 641        |
| 08:15 AM    | 10                    | 368  | 378        | 36                        | 19    | 55         | 143                   | 13    | 156        | 589        |
| 08:30 AM    | 17                    | 361  | 378        | 49                        | 18    | 67         | 147                   | 17    | 164        | 609        |
| 08:45 AM    | 12                    | 315  | 327        | 36                        | 23    | 59         | 141                   | 13    | 154        | 540        |
| Total       | 51                    | 1460 | 1511       | 168                       | 82    | 250        | 554                   | 64    | 618        | 2379       |
| Grand Total | 124                   | 3128 | 3252       | 308                       | 165   | 473        | 1026                  | 119   | 1145       | 4870       |
| Apprch %    | 3.8                   | 96.2 |            | 65.1                      | 34.9  |            | 89.6                  | 10.4  |            |            |
| Total %     | 2.5                   | 64.2 | 66.8       | 6.3                       | 3.4   | 9.7        | 21.1                  | 2.4   | 23.5       |            |

| Start Time   | Rose Drive Southbound |            |            | Del Cerro Drive Westbound |           |            | Rose Drive Northbound |           |            | Int. Total |
|--------------|-----------------------|------------|------------|---------------------------|-----------|------------|-----------------------|-----------|------------|------------|
|              | Left                  | Thru       | App. Total | Left                      | Right     | App. Total | Thru                  | Right     | App. Total |            |
| 07:30 AM     | 18                    | 423        | 441        | 31                        | <b>31</b> | 62         | 132                   | 17        | 149        | 652        |
| 07:45 AM     | <b>27</b>             | <b>488</b> | <b>515</b> | 38                        | 22        | 60         | <b>156</b>            | 9         | <b>165</b> | <b>740</b> |
| 08:00 AM     | 12                    | 416        | 428        | <b>47</b>                 | 22        | <b>69</b>  | 123                   | <b>21</b> | 144        | 641        |
| 08:15 AM     | 10                    | 368        | 378        | 36                        | 19        | 55         | 143                   | 13        | 156        | 589        |
| Total Volume | 67                    | 1695       | 1762       | 152                       | 94        | 246        | 554                   | 60        | 614        | 2622       |
| % App. Total | 3.8                   | 96.2       |            | 61.8                      | 38.2      |            | 90.2                  | 9.8       |            |            |
| PHF          | .620                  | .868       | .855       | .809                      | .758      | .891       | .888                  | .714      | .930       | .886       |

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:30 AM

City of Placentia  
 N/S: Rose Drive  
 E/W: Del Cerro Drive  
 Weather: Clear

File Name : 36PLARODCAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |            |            | 07:45 AM  |           |           | 07:45 AM   |           |            |
|--------------|-----------|------------|------------|-----------|-----------|-----------|------------|-----------|------------|
| +0 mins.     | 17        | 361        | 378        | 38        | <b>22</b> | 60        | <b>156</b> | 9         | <b>165</b> |
| +15 mins.    | 18        | 423        | 441        | 47        | 22        | <b>69</b> | 123        | <b>21</b> | 144        |
| +30 mins.    | <b>27</b> | <b>488</b> | <b>515</b> | 36        | 19        | 55        | 143        | 13        | 156        |
| +45 mins.    | 12        | 416        | 428        | <b>49</b> | 18        | 67        | 147        | 17        | 164        |
| Total Volume | 74        | 1688       | 1762       | 170       | 81        | 251       | 569        | 60        | 629        |
| % App. Total | 4.2       | 95.8       |            | 67.7      | 32.3      |           | 90.5       | 9.5       |            |
| PHF          | .685      | .865       | .855       | .867      | .920      | .909      | .912       | .714      | .953       |

City of Placentia  
 N/S: Rose Drive  
 E/W: Del Cerro Drive  
 Weather: Clear

File Name : 36PLARODCPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

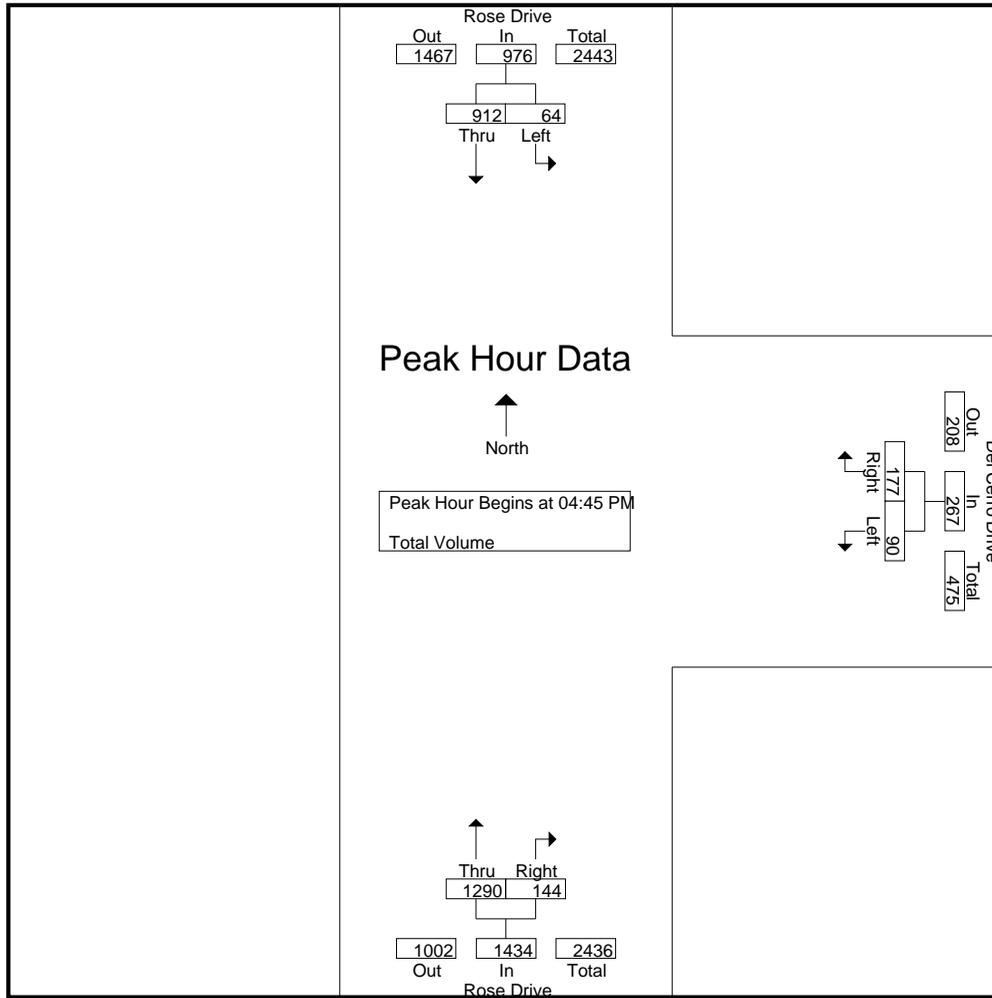
| Start Time  | Rose Drive Southbound |      |            | Del Cerro Drive Westbound |       |            | Rose Drive Northbound |       |            | Int. Total |
|-------------|-----------------------|------|------------|---------------------------|-------|------------|-----------------------|-------|------------|------------|
|             | Left                  | Thru | App. Total | Left                      | Right | App. Total | Thru                  | Right | App. Total |            |
| 04:00 PM    | 22                    | 219  | 241        | 7                         | 39    | 46         | 252                   | 20    | 272        | 559        |
| 04:15 PM    | 17                    | 252  | 269        | 32                        | 32    | 64         | 291                   | 25    | 316        | 649        |
| 04:30 PM    | 21                    | 222  | 243        | 29                        | 40    | 69         | 255                   | 35    | 290        | 602        |
| 04:45 PM    | 10                    | 251  | 261        | 18                        | 33    | 51         | 350                   | 33    | 383        | 695        |
| Total       | 70                    | 944  | 1014       | 86                        | 144   | 230        | 1148                  | 113   | 1261       | 2505       |
| 05:00 PM    | 18                    | 229  | 247        | 32                        | 56    | 88         | 328                   | 36    | 364        | 699        |
| 05:15 PM    | 21                    | 235  | 256        | 26                        | 54    | 80         | 288                   | 44    | 332        | 668        |
| 05:30 PM    | 15                    | 197  | 212        | 14                        | 34    | 48         | 324                   | 31    | 355        | 615        |
| 05:45 PM    | 24                    | 212  | 236        | 19                        | 40    | 59         | 318                   | 30    | 348        | 643        |
| Total       | 78                    | 873  | 951        | 91                        | 184   | 275        | 1258                  | 141   | 1399       | 2625       |
| Grand Total | 148                   | 1817 | 1965       | 177                       | 328   | 505        | 2406                  | 254   | 2660       | 5130       |
| Apprch %    | 7.5                   | 92.5 |            | 35                        | 65    |            | 90.5                  | 9.5   |            |            |
| Total %     | 2.9                   | 35.4 | 38.3       | 3.5                       | 6.4   | 9.8        | 46.9                  | 5     | 51.9       |            |

| Start Time   | Rose Drive Southbound |            |            | Del Cerro Drive Westbound |           |            | Rose Drive Northbound |           |            | Int. Total |
|--------------|-----------------------|------------|------------|---------------------------|-----------|------------|-----------------------|-----------|------------|------------|
|              | Left                  | Thru       | App. Total | Left                      | Right     | App. Total | Thru                  | Right     | App. Total |            |
| 04:45 PM     | 10                    | <b>251</b> | <b>261</b> | 18                        | 33        | 51         | <b>350</b>            | 33        | <b>383</b> | 695        |
| 05:00 PM     | 18                    | 229        | 247        | <b>32</b>                 | <b>56</b> | <b>88</b>  | 328                   | 36        | 364        | <b>699</b> |
| 05:15 PM     | <b>21</b>             | 235        | 256        | 26                        | 54        | 80         | 288                   | <b>44</b> | 332        | 668        |
| 05:30 PM     | 15                    | 197        | 212        | 14                        | 34        | 48         | 324                   | 31        | 355        | 615        |
| Total Volume | 64                    | 912        | 976        | 90                        | 177       | 267        | 1290                  | 144       | 1434       | 2677       |
| % App. Total | 6.6                   | 93.4       |            | 33.7                      | 66.3      |            | 90                    | 10        |            |            |
| PHF          | .762                  | .908       | .935       | .703                      | .790      | .759       | .921                  | .818      | .936       | .957       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM

City of Placentia  
 N/S: Rose Drive  
 E/W: Del Cerro Drive  
 Weather: Clear

File Name : 36PLARODCPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM  |            |            | 04:30 PM  |           |           | 04:45 PM   |           |            |
|--------------|-----------|------------|------------|-----------|-----------|-----------|------------|-----------|------------|
| +0 mins.     | 17        | <b>252</b> | <b>269</b> | 29        | 40        | 69        | <b>350</b> | 33        | <b>383</b> |
| +15 mins.    | <b>21</b> | 222        | 243        | 18        | 33        | 51        | 328        | 36        | 364        |
| +30 mins.    | 10        | 251        | 261        | <b>32</b> | <b>56</b> | <b>88</b> | 288        | <b>44</b> | 332        |
| +45 mins.    | 18        | 229        | 247        | 26        | 54        | 80        | 324        | 31        | 355        |
| Total Volume | 66        | 954        | 1020       | 105       | 183       | 288       | 1290       | 144       | 1434       |
| % App. Total | 6.5       | 93.5       |            | 36.5      | 63.5      |           | 90         | 10        |            |
| PHF          | .786      | .946       | .948       | .820      | .817      | .818      | .921       | .818      | .936       |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 37PLAJEORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

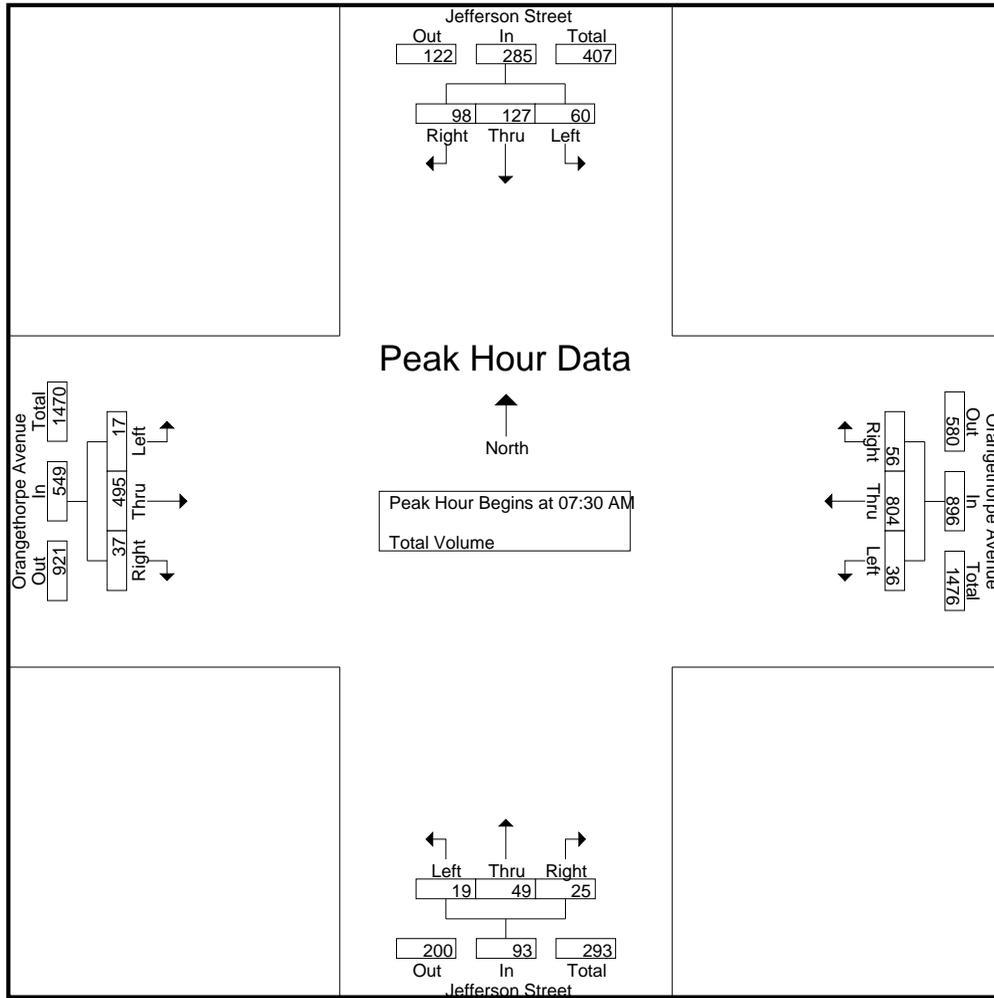
Groups Printed- Total Volume

| Start Time  | Jefferson Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 4                           | 39   | 40    | 83         | 7                             | 111  | 6     | 124        | 3                           | 9    | 10    | 22         | 1                             | 78   | 7     | 86         | 315        |
| 07:15 AM    | 6                           | 25   | 19    | 50         | 8                             | 161  | 13    | 182        | 1                           | 5    | 8     | 14         | 6                             | 101  | 9     | 116        | 362        |
| 07:30 AM    | 19                          | 31   | 32    | 82         | 7                             | 213  | 15    | 235        | 8                           | 13   | 5     | 26         | 3                             | 125  | 7     | 135        | 478        |
| 07:45 AM    | 14                          | 31   | 26    | 71         | 5                             | 260  | 15    | 280        | 3                           | 7    | 2     | 12         | 0                             | 148  | 12    | 160        | 523        |
| Total       | 43                          | 126  | 117   | 286        | 27                            | 745  | 49    | 821        | 15                          | 34   | 25    | 74         | 10                            | 452  | 35    | 497        | 1678       |
| 08:00 AM    | 15                          | 35   | 20    | 70         | 17                            | 185  | 16    | 218        | 4                           | 21   | 7     | 32         | 5                             | 107  | 12    | 124        | 444        |
| 08:15 AM    | 12                          | 30   | 20    | 62         | 7                             | 146  | 10    | 163        | 4                           | 8    | 11    | 23         | 9                             | 115  | 6     | 130        | 378        |
| 08:30 AM    | 9                           | 20   | 20    | 49         | 5                             | 155  | 7     | 167        | 5                           | 11   | 2     | 18         | 3                             | 101  | 9     | 113        | 347        |
| 08:45 AM    | 5                           | 26   | 14    | 45         | 5                             | 124  | 14    | 143        | 8                           | 11   | 4     | 23         | 5                             | 87   | 11    | 103        | 314        |
| Total       | 41                          | 111  | 74    | 226        | 34                            | 610  | 47    | 691        | 21                          | 51   | 24    | 96         | 22                            | 410  | 38    | 470        | 1483       |
| Grand Total | 84                          | 237  | 191   | 512        | 61                            | 1355 | 96    | 1512       | 36                          | 85   | 49    | 170        | 32                            | 862  | 73    | 967        | 3161       |
| Apprch %    | 16.4                        | 46.3 | 37.3  |            | 4                             | 89.6 | 6.3   |            | 21.2                        | 50   | 28.8  |            | 3.3                           | 89.1 | 7.5   |            |            |
| Total %     | 2.7                         | 7.5  | 6     | 16.2       | 1.9                           | 42.9 | 3     | 47.8       | 1.1                         | 2.7  | 1.6   | 5.4        | 1                             | 27.3 | 2.3   | 30.6       |            |

| Start Time   | Jefferson Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |            |                               |      |       |            |                             |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |      |       |            |                               |      |       |            |                             |      |       |            |                               |      |       |            |            |
| 07:30 AM   | 19                          | 31   | 32    | 82         | 7                             | 213  | 15    | 235        | 8                           | 13   | 5     | 26         | 3                             | 125  | 7     | 135        | 478        |
| 07:45 AM   | 14                          | 31   | 26    | 71         | 5                             | 260  | 15    | 280        | 3                           | 7    | 2     | 12         | 0                             | 148  | 12    | 160        | 523        |
| 08:00 AM   | 15                          | 35   | 20    | 70         | 17                            | 185  | 16    | 218        | 4                           | 21   | 7     | 32         | 5                             | 107  | 12    | 124        | 444        |
| 08:15 AM   | 12                          | 30   | 20    | 62         | 7                             | 146  | 10    | 163        | 4                           | 8    | 11    | 23         | 9                             | 115  | 6     | 130        | 378        |
| Total Volume   | 60                          | 127  | 98    | 285        | 36                            | 804  | 56    | 896        | 19                          | 49   | 25    | 93         | 17                            | 495  | 37    | 549        | 1823       |
| % App. Total   | 21.1                        | 44.6 | 34.4  |            | 4                             | 89.7 | 6.2   |            | 20.4                        | 52.7 | 26.9  |            | 3.1                           | 90.2 | 6.7   |            |            |
| PHF  | .789                        | .907 | .766  | .869       | .529                          | .773 | .875  | .800       | .594                        | .583 | .568  | .727       | .472                          | .836 | .771  | .858       | .871       |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 37PLAJEORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:00 AM  |           |           |           | 07:15 AM  |            |           |            | 08:00 AM |           |           |           | 07:30 AM |            |           |            |
|--------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|----------|-----------|-----------|-----------|----------|------------|-----------|------------|
| +0 mins.     | 4         | <b>39</b> | <b>40</b> | <b>83</b> | 8         | 161        | 13        | 182        | 4        | <b>21</b> | 7         | <b>32</b> | 3        | 125        | 7         | 135        |
| +15 mins.    | 6         | 25        | 19        | 50        | 7         | 213        | 15        | 235        | 4        | 8         | <b>11</b> | 23        | 0        | <b>148</b> | <b>12</b> | <b>160</b> |
| +30 mins.    | <b>19</b> | 31        | 32        | 82        | 5         | <b>260</b> | 15        | <b>280</b> | 5        | 11        | 2         | 18        | 5        | 107        | 12        | 124        |
| +45 mins.    | 14        | 31        | 26        | 71        | <b>17</b> | 185        | <b>16</b> | 218        | <b>8</b> | 11        | 4         | 23        | <b>9</b> | 115        | 6         | 130        |
| Total Volume | 43        | 126       | 117       | 286       | 37        | 819        | 59        | 915        | 21       | 51        | 24        | 96        | 17       | 495        | 37        | 549        |
| % App. Total | 15        | 44.1      | 40.9      |           | 4         | 89.5       | 6.4       |            | 21.9     | 53.1      | 25        |           | 3.1      | 90.2       | 6.7       |            |
| PHF          | .566      | .808      | .731      | .861      | .544      | .788       | .922      | .817       | .656     | .607      | .545      | .750      | .472     | .836       | .771      | .858       |

City of Placentia  
 N/S: Jefferson Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 37PLAJEORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

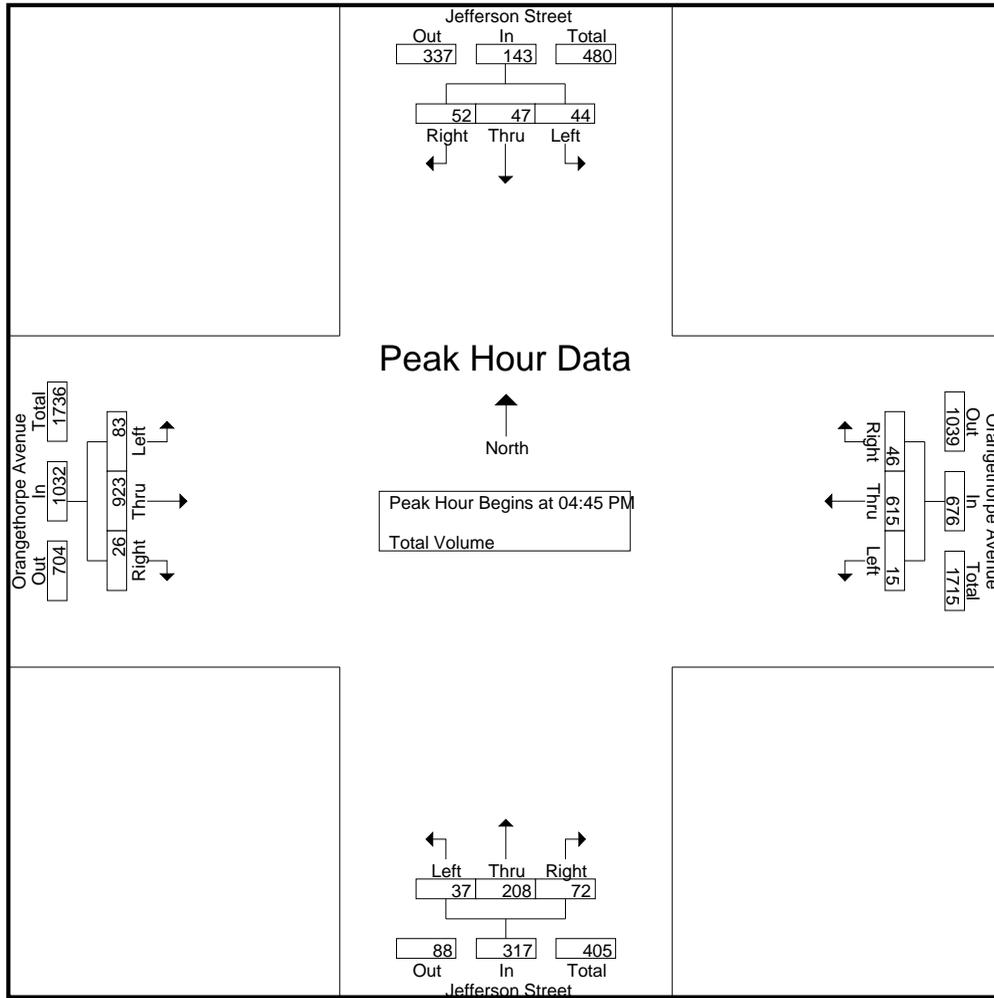
| Start Time  | Jefferson Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 13                          | 10   | 8     | 31         | 3                             | 131  | 15    | 149        | 4                           | 41   | 13    | 58         | 14                            | 192  | 6     | 212        | 450        |
| 04:15 PM    | 2                           | 9    | 10    | 21         | 8                             | 136  | 13    | 157        | 7                           | 34   | 7     | 48         | 22                            | 192  | 7     | 221        | 447        |
| 04:30 PM    | 12                          | 12   | 9     | 33         | 1                             | 120  | 18    | 139        | 6                           | 51   | 27    | 84         | 11                            | 209  | 5     | 225        | 481        |
| 04:45 PM    | 11                          | 9    | 12    | 32         | 8                             | 143  | 16    | 167        | 7                           | 43   | 14    | 64         | 18                            | 240  | 8     | 266        | 529        |
| Total       | 38                          | 40   | 39    | 117        | 20                            | 530  | 62    | 612        | 24                          | 169  | 61    | 254        | 65                            | 833  | 26    | 924        | 1907       |
| 05:00 PM    | 8                           | 14   | 17    | 39         | 1                             | 171  | 11    | 183        | 8                           | 55   | 22    | 85         | 17                            | 240  | 10    | 267        | 574        |
| 05:15 PM    | 14                          | 12   | 12    | 38         | 4                             | 144  | 14    | 162        | 14                          | 42   | 21    | 77         | 29                            | 220  | 3     | 252        | 529        |
| 05:30 PM    | 11                          | 12   | 11    | 34         | 2                             | 157  | 5     | 164        | 8                           | 68   | 15    | 91         | 19                            | 223  | 5     | 247        | 536        |
| 05:45 PM    | 11                          | 9    | 11    | 31         | 3                             | 142  | 19    | 164        | 5                           | 46   | 16    | 67         | 21                            | 237  | 5     | 263        | 525        |
| Total       | 44                          | 47   | 51    | 142        | 10                            | 614  | 49    | 673        | 35                          | 211  | 74    | 320        | 86                            | 920  | 23    | 1029       | 2164       |
| Grand Total | 82                          | 87   | 90    | 259        | 30                            | 1144 | 111   | 1285       | 59                          | 380  | 135   | 574        | 151                           | 1753 | 49    | 1953       | 4071       |
| Apprch %    | 31.7                        | 33.6 | 34.7  |            | 2.3                           | 89   | 8.6   |            | 10.3                        | 66.2 | 23.5  |            | 7.7                           | 89.8 | 2.5   |            |            |
| Total %     | 2                           | 2.1  | 2.2   | 6.4        | 0.7                           | 28.1 | 2.7   | 31.6       | 1.4                         | 9.3  | 3.3   | 14.1       | 3.7                           | 43.1 | 1.2   | 48         |            |

| Start Time   | Jefferson Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Jefferson Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|              | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:45 PM     | 11                          | 9    | 12    | 32         | 8                             | 143  | 16    | 167        | 7                           | 43   | 14    | 64         | 18                            | 240  | 8     | 266        | 529        |
| 05:00 PM     | 8                           | 14   | 17    | 39         | 1                             | 171  | 11    | 183        | 8                           | 55   | 22    | 85         | 17                            | 240  | 10    | 267        | 574        |
| 05:15 PM     | 14                          | 12   | 12    | 38         | 4                             | 144  | 14    | 162        | 14                          | 42   | 21    | 77         | 29                            | 220  | 3     | 252        | 529        |
| 05:30 PM     | 11                          | 12   | 11    | 34         | 2                             | 157  | 5     | 164        | 8                           | 68   | 15    | 91         | 19                            | 223  | 5     | 247        | 536        |
| Total Volume | 44                          | 47   | 52    | 143        | 15                            | 615  | 46    | 676        | 37                          | 208  | 72    | 317        | 83                            | 923  | 26    | 1032       | 2168       |
| % App. Total | 30.8                        | 32.9 | 36.4  |            | 2.2                           | 91   | 6.8   |            | 11.7                        | 65.6 | 22.7  |            | 8                             | 89.4 | 2.5   |            |            |
| PHF          | .786                        | .839 | .765  | .917       | .469                          | .899 | .719  | .923       | .661                        | .765 | .818  | .871       | .716                          | .961 | .650  | .966       | .944       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM

City of Placentia  
 N/S: Jefferson Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 37PLAJEORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM  |           |           |           | 04:45 PM |            |           |            | 05:00 PM  |           |           |           | 04:45 PM  |            |           |            |
|--------------|-----------|-----------|-----------|-----------|----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|
| +0 mins.     | 11        | 9         | 12        | 32        | <b>8</b> | 143        | <b>16</b> | 167        | 8         | 55        | <b>22</b> | 85        | 18        | <b>240</b> | 8         | 266        |
| +15 mins.    | 8         | <b>14</b> | <b>17</b> | <b>39</b> | 1        | <b>171</b> | 11        | <b>183</b> | <b>14</b> | 42        | 21        | 77        | 17        | 240        | <b>10</b> | <b>267</b> |
| +30 mins.    | <b>14</b> | 12        | 12        | 38        | 4        | 144        | 14        | 162        | 8         | <b>68</b> | 15        | <b>91</b> | <b>29</b> | 220        | 3         | 252        |
| +45 mins.    | 11        | 12        | 11        | 34        | 2        | 157        | 5         | 164        | 5         | 46        | 16        | 67        | 19        | 223        | 5         | 247        |
| Total Volume | 44        | 47        | 52        | 143       | 15       | 615        | 46        | 676        | 35        | 211       | 74        | 320       | 83        | 923        | 26        | 1032       |
| % App. Total | 30.8      | 32.9      | 36.4      |           | 2.2      | 91         | 6.8       |            | 10.9      | 65.9      | 23.1      |           | 8         | 89.4       | 2.5       |            |
| PHF          | .786      | .839      | .765      | .917      | .469     | .899       | .719      | .923       | .625      | .776      | .841      | .879      | .716      | .961       | .650      | .966       |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 38PLAVBORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

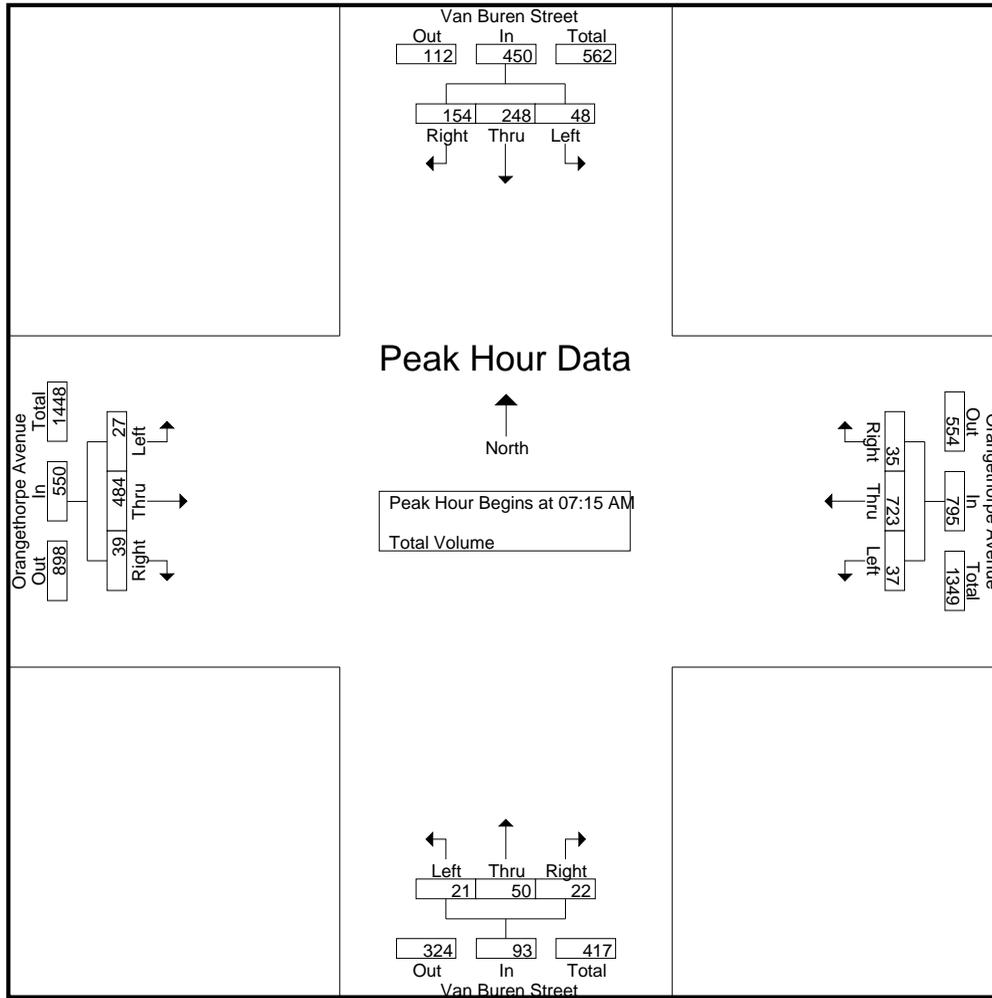
Groups Printed- Total Volume

| Start Time  | Van Buren Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Van Buren Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 6                           | 36   | 29    | 71         | 3                             | 102  | 7     | 112        | 1                           | 10   | 3     | 14         | 10                            | 67   | 11    | 88         | 285        |
| 07:15 AM    | 4                           | 75   | 42    | 121        | 11                            | 122  | 5     | 138        | 8                           | 11   | 6     | 25         | 2                             | 97   | 10    | 109        | 393        |
| 07:30 AM    | 17                          | 53   | 37    | 107        | 4                             | 205  | 5     | 214        | 5                           | 15   | 11    | 31         | 9                             | 130  | 6     | 145        | 497        |
| 07:45 AM    | 17                          | 59   | 39    | 115        | 12                            | 222  | 9     | 243        | 3                           | 9    | 2     | 14         | 3                             | 155  | 13    | 171        | 543        |
| Total       | 44                          | 223  | 147   | 414        | 30                            | 651  | 26    | 707        | 17                          | 45   | 22    | 84         | 24                            | 449  | 40    | 513        | 1718       |
| 08:00 AM    | 10                          | 61   | 36    | 107        | 10                            | 174  | 16    | 200        | 5                           | 15   | 3     | 23         | 13                            | 102  | 10    | 125        | 455        |
| 08:15 AM    | 11                          | 49   | 25    | 85         | 3                             | 129  | 3     | 135        | 6                           | 14   | 4     | 24         | 11                            | 119  | 9     | 139        | 383        |
| 08:30 AM    | 12                          | 26   | 42    | 80         | 6                             | 120  | 6     | 132        | 2                           | 10   | 6     | 18         | 9                             | 95   | 12    | 116        | 346        |
| 08:45 AM    | 12                          | 36   | 14    | 62         | 9                             | 126  | 7     | 142        | 5                           | 8    | 9     | 22         | 11                            | 85   | 6     | 102        | 328        |
| Total       | 45                          | 172  | 117   | 334        | 28                            | 549  | 32    | 609        | 18                          | 47   | 22    | 87         | 44                            | 401  | 37    | 482        | 1512       |
| Grand Total | 89                          | 395  | 264   | 748        | 58                            | 1200 | 58    | 1316       | 35                          | 92   | 44    | 171        | 68                            | 850  | 77    | 995        | 3230       |
| Apprch %    | 11.9                        | 52.8 | 35.3  |            | 4.4                           | 91.2 | 4.4   |            | 20.5                        | 53.8 | 25.7  |            | 6.8                           | 85.4 | 7.7   |            |            |
| Total %     | 2.8                         | 12.2 | 8.2   | 23.2       | 1.8                           | 37.2 | 1.8   | 40.7       | 1.1                         | 2.8  | 1.4   | 5.3        | 2.1                           | 26.3 | 2.4   | 30.8       |            |

| Start Time   | Van Buren Street Southbound |           |           |            | Orangethorpe Avenue Westbound |            |           |            | Van Buren Street Northbound |           |           |            | Orangethorpe Avenue Eastbound |            |           |            | Int. Total |
|--|-----------------------------|-----------|-----------|------------|-------------------------------|------------|-----------|------------|-----------------------------|-----------|-----------|------------|-------------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru      | Right     | App. Total | Left                          | Thru       | Right     | App. Total | Left                        | Thru      | Right     | App. Total | Left                          | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |           |           |            |                               |            |           |            |                             |           |           |            |                               |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                             |           |           |            |                               |            |           |            |                             |           |           |            |                               |            |           |            |            |
| 07:15 AM   | 4                           | <b>75</b> | <b>42</b> | <b>121</b> | 11                            | 122        | 5         | 138        | <b>8</b>                    | 11        | 6         | 25         | 2                             | 97         | 10        | 109        | 393        |
| 07:30 AM   | <b>17</b>                   | 53        | 37        | 107        | 4                             | 205        | 5         | 214        | 5                           | <b>15</b> | <b>11</b> | <b>31</b>  | 9                             | 130        | 6         | 145        | 497        |
| 07:45 AM   | 17                          | 59        | 39        | 115        | <b>12</b>                     | <b>222</b> | 9         | <b>243</b> | 3                           | 9         | 2         | 14         | 3                             | <b>155</b> | <b>13</b> | <b>171</b> | <b>543</b> |
| 08:00 AM   | 10                          | 61        | 36        | 107        | 10                            | 174        | <b>16</b> | 200        | 5                           | 15        | 3         | 23         | <b>13</b>                     | 102        | 10        | 125        | 455        |
| Total Volume   | 48                          | 248       | 154       | 450        | 37                            | 723        | 35        | 795        | 21                          | 50        | 22        | 93         | 27                            | 484        | 39        | 550        | 1888       |
| % App. Total   | 10.7                        | 55.1      | 34.2      |            | 4.7                           | 90.9       | 4.4       |            | 22.6                        | 53.8      | 23.7      |            | 4.9                           | 88         | 7.1       |            |            |
| PHF  | .706                        | .827      | .917      | .930       | .771                          | .814       | .547      | .818       | .656                        | .833      | .500      | .750       | .519                          | .781       | .750      | .804       | .869       |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 38PLAVBORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:30 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 4        | 75   | 42   | 121  | 11       | 122  | 5    | 138  | 8        | 11   | 6    | 25   | 9        | 130  | 6    | 145  |
| +15 mins.    | 17       | 53   | 37   | 107  | 4        | 205  | 5    | 214  | 5        | 15   | 11   | 31   | 3        | 155  | 13   | 171  |
| +30 mins.    | 17       | 59   | 39   | 115  | 12       | 222  | 9    | 243  | 3        | 9    | 2    | 14   | 13       | 102  | 10   | 125  |
| +45 mins.    | 10       | 61   | 36   | 107  | 10       | 174  | 16   | 200  | 5        | 15   | 3    | 23   | 11       | 119  | 9    | 139  |
| Total Volume | 48       | 248  | 154  | 450  | 37       | 723  | 35   | 795  | 21       | 50   | 22   | 93   | 36       | 506  | 38   | 580  |
| % App. Total | 10.7     | 55.1 | 34.2 |      | 4.7      | 90.9 | 4.4  |      | 22.6     | 53.8 | 23.7 |      | 6.2      | 87.2 | 6.6  |      |
| PHF          | .706     | .827 | .917 | .930 | .771     | .814 | .547 | .818 | .656     | .833 | .500 | .750 | .692     | .816 | .731 | .848 |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 38PLAVBORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

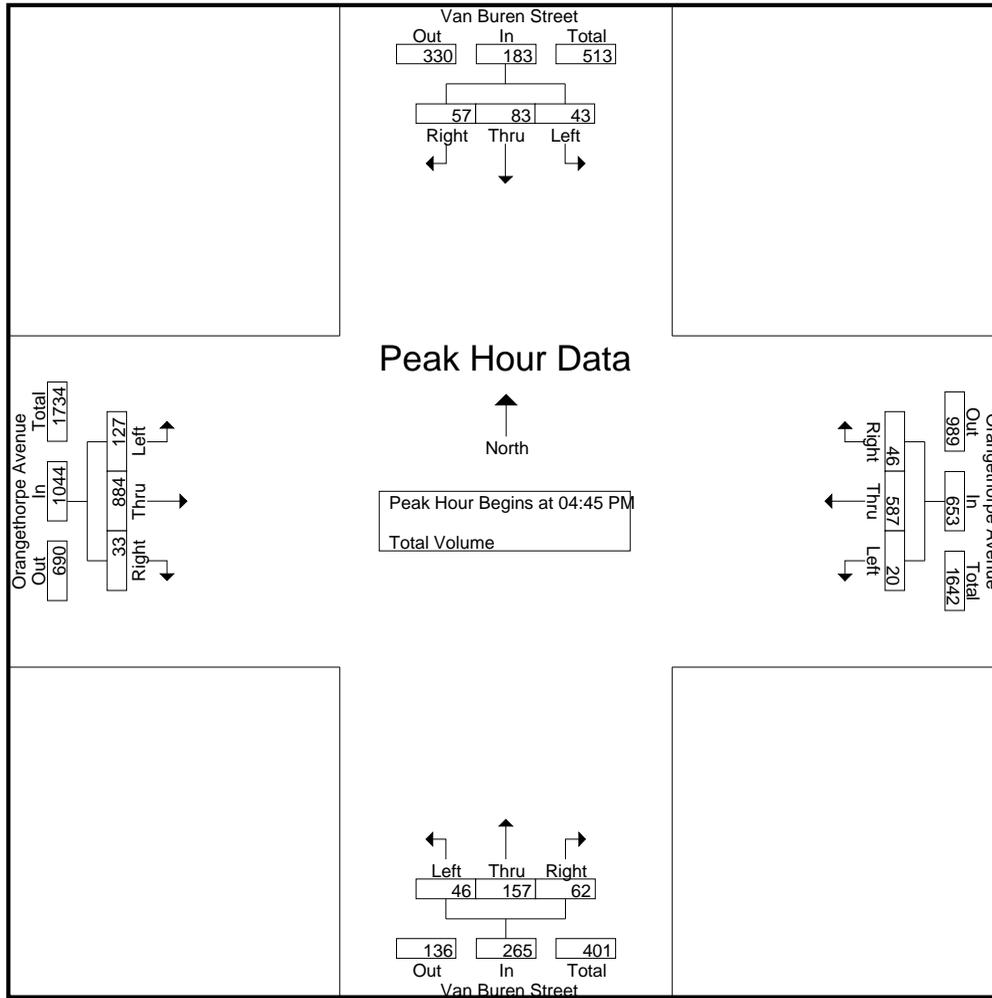
Groups Printed- Total Volume

| Start Time  | Van Buren Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Van Buren Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 14                          | 18   | 15    | 47         | 5                             | 129  | 12    | 146        | 11                          | 37   | 5     | 53         | 24                            | 156  | 18    | 198        | 444        |
| 04:15 PM    | 7                           | 24   | 22    | 53         | 5                             | 118  | 7     | 130        | 8                           | 41   | 17    | 66         | 22                            | 186  | 8     | 216        | 465        |
| 04:30 PM    | 12                          | 23   | 12    | 47         | 4                             | 113  | 17    | 134        | 15                          | 44   | 15    | 74         | 31                            | 190  | 12    | 233        | 488        |
| 04:45 PM    | 9                           | 23   | 15    | 47         | 5                             | 137  | 13    | 155        | 12                          | 34   | 12    | 58         | 28                            | 233  | 8     | 269        | 529        |
| Total       | 42                          | 88   | 64    | 194        | 19                            | 497  | 49    | 565        | 46                          | 156  | 49    | 251        | 105                           | 765  | 46    | 916        | 1926       |
| 05:00 PM    | 14                          | 21   | 13    | 48         | 2                             | 158  | 12    | 172        | 14                          | 48   | 11    | 73         | 41                            | 204  | 5     | 250        | 543        |
| 05:15 PM    | 11                          | 19   | 16    | 46         | 3                             | 148  | 12    | 163        | 9                           | 40   | 24    | 73         | 33                            | 231  | 13    | 277        | 559        |
| 05:30 PM    | 9                           | 20   | 13    | 42         | 10                            | 144  | 9     | 163        | 11                          | 35   | 15    | 61         | 25                            | 216  | 7     | 248        | 514        |
| 05:45 PM    | 9                           | 26   | 19    | 54         | 4                             | 125  | 11    | 140        | 6                           | 34   | 13    | 53         | 37                            | 198  | 16    | 251        | 498        |
| Total       | 43                          | 86   | 61    | 190        | 19                            | 575  | 44    | 638        | 40                          | 157  | 63    | 260        | 136                           | 849  | 41    | 1026       | 2114       |
| Grand Total | 85                          | 174  | 125   | 384        | 38                            | 1072 | 93    | 1203       | 86                          | 313  | 112   | 511        | 241                           | 1614 | 87    | 1942       | 4040       |
| Apprch %    | 22.1                        | 45.3 | 32.6  |            | 3.2                           | 89.1 | 7.7   |            | 16.8                        | 61.3 | 21.9  |            | 12.4                          | 83.1 | 4.5   |            |            |
| Total %     | 2.1                         | 4.3  | 3.1   | 9.5        | 0.9                           | 26.5 | 2.3   | 29.8       | 2.1                         | 7.7  | 2.8   | 12.6       | 6                             | 40   | 2.2   | 48.1       |            |

| Start Time   | Van Buren Street Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Van Buren Street Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|-----------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|              | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:45 PM     | 9                           | 23   | 15    | 47         | 5                             | 137  | 13    | 155        | 12                          | 34   | 12    | 58         | 28                            | 233  | 8     | 269        | 529        |
| 05:00 PM     | 14                          | 21   | 13    | 48         | 2                             | 158  | 12    | 172        | 14                          | 48   | 11    | 73         | 41                            | 204  | 5     | 250        | 543        |
| 05:15 PM     | 11                          | 19   | 16    | 46         | 3                             | 148  | 12    | 163        | 9                           | 40   | 24    | 73         | 33                            | 231  | 13    | 277        | 559        |
| 05:30 PM     | 9                           | 20   | 13    | 42         | 10                            | 144  | 9     | 163        | 11                          | 35   | 15    | 61         | 25                            | 216  | 7     | 248        | 514        |
| Total Volume | 43                          | 83   | 57    | 183        | 20                            | 587  | 46    | 653        | 46                          | 157  | 62    | 265        | 127                           | 884  | 33    | 1044       | 2145       |
| % App. Total | 23.5                        | 45.4 | 31.1  |            | 3.1                           | 89.9 | 7     |            | 17.4                        | 59.2 | 23.4  |            | 12.2                          | 84.7 | 3.2   |            |            |
| PHF          | .768                        | .902 | .891  | .953       | .500                          | .929 | .885  | .949       | .821                        | .818 | .646  | .908       | .774                          | .948 | .635  | .942       | .959       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1

Peak Hour for Entire Intersection Begins at 04:45 PM



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:15 PM  |           |           |           | 04:45 PM  |            |           |            | 04:30 PM  |           |           |           | 04:45 PM  |            |           |            |
|--------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|-----------|-----------|-----------|-----------|-----------|------------|-----------|------------|
| +0 mins.     | 7         | <b>24</b> | <b>22</b> | <b>53</b> | 5         | 137        | <b>13</b> | 155        | <b>15</b> | 44        | 15        | <b>74</b> | 28        | <b>233</b> | 8         | 269        |
| +15 mins.    | 12        | 23        | 12        | 47        | 2         | <b>158</b> | 12        | <b>172</b> | 12        | 34        | 12        | 58        | <b>41</b> | 204        | 5         | 250        |
| +30 mins.    | 9         | 23        | 15        | 47        | 3         | 148        | 12        | 163        | 14        | <b>48</b> | 11        | 73        | 33        | 231        | <b>13</b> | <b>277</b> |
| +45 mins.    | <b>14</b> | 21        | 13        | 48        | <b>10</b> | 144        | 9         | 163        | 9         | 40        | <b>24</b> | 73        | 25        | 216        | 7         | 248        |
| Total Volume | 42        | 91        | 62        | 195       | 20        | 587        | 46        | 653        | 50        | 166       | 62        | 278       | 127       | 884        | 33        | 1044       |
| % App. Total | 21.5      | 46.7      | 31.8      |           | 3.1       | 89.9       | 7         |            | 18        | 59.7      | 22.3      |           | 12.2      | 84.7       | 3.2       |            |
| PHF          | .750      | .948      | .705      | .920      | .500      | .929       | .885      | .949       | .833      | .865      | .646      | .939      | .774      | .948       | .635      | .942       |

City of Placentia  
 N/S: Richfield Road  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 39PLARIORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

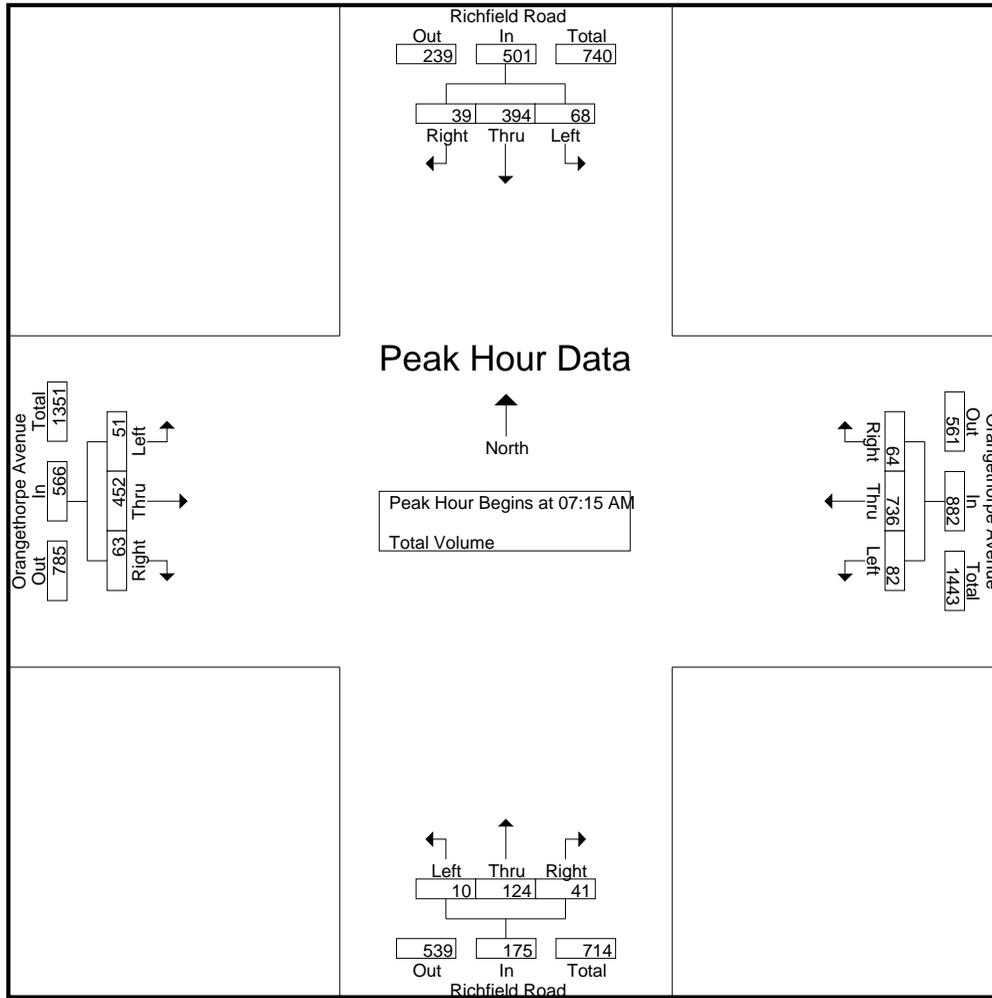
Groups Printed- Total Volume

| Start Time  | Richfield Road Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 07:00 AM    | 7                         | 81   | 2     | 90         | 17                            | 104  | 8     | 129        | 0                         | 25   | 3     | 28         | 10                            | 56   | 12    | 78         | 325        |
| 07:15 AM    | 9                         | 102  | 4     | 115        | 19                            | 122  | 8     | 149        | 4                         | 21   | 5     | 30         | 15                            | 81   | 14    | 110        | 404        |
| 07:30 AM    | 22                        | 94   | 11    | 127        | 18                            | 214  | 17    | 249        | 3                         | 36   | 17    | 56         | 18                            | 129  | 12    | 159        | 591        |
| 07:45 AM    | 23                        | 104  | 11    | 138        | 23                            | 218  | 23    | 264        | 2                         | 26   | 10    | 38         | 11                            | 132  | 20    | 163        | 603        |
| Total       | 61                        | 381  | 28    | 470        | 77                            | 658  | 56    | 791        | 9                         | 108  | 35    | 152        | 54                            | 398  | 58    | 510        | 1923       |
| 08:00 AM    | 14                        | 94   | 13    | 121        | 22                            | 182  | 16    | 220        | 1                         | 41   | 9     | 51         | 7                             | 110  | 17    | 134        | 526        |
| 08:15 AM    | 9                         | 54   | 11    | 74         | 18                            | 116  | 10    | 144        | 4                         | 27   | 7     | 38         | 19                            | 92   | 22    | 133        | 389        |
| 08:30 AM    | 14                        | 44   | 7     | 65         | 15                            | 119  | 5     | 139        | 2                         | 23   | 0     | 25         | 8                             | 94   | 12    | 114        | 343        |
| 08:45 AM    | 12                        | 74   | 16    | 102        | 16                            | 108  | 16    | 140        | 6                         | 37   | 7     | 50         | 8                             | 72   | 15    | 95         | 387        |
| Total       | 49                        | 266  | 47    | 362        | 71                            | 525  | 47    | 643        | 13                        | 128  | 23    | 164        | 42                            | 368  | 66    | 476        | 1645       |
| Grand Total | 110                       | 647  | 75    | 832        | 148                           | 1183 | 103   | 1434       | 22                        | 236  | 58    | 316        | 96                            | 766  | 124   | 986        | 3568       |
| Apprch %    | 13.2                      | 77.8 | 9     |            | 10.3                          | 82.5 | 7.2   |            | 7                         | 74.7 | 18.4  |            | 9.7                           | 77.7 | 12.6  |            |            |
| Total %     | 3.1                       | 18.1 | 2.1   | 23.3       | 4.1                           | 33.2 | 2.9   | 40.2       | 0.6                       | 6.6  | 1.6   | 8.9        | 2.7                           | 21.5 | 3.5   | 27.6       |            |

| Start Time   | Richfield Road Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:15 AM       |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| 07:15 AM   | 9                         | 102  | 4     | 115        | 19                            | 122  | 8     | 149        | 4                         | 21   | 5     | 30         | 15                            | 81   | 14    | 110        | 404        |
| 07:30 AM   | 22                        | 94   | 11    | 127        | 18                            | 214  | 17    | 249        | 3                         | 36   | 17    | 56         | 18                            | 129  | 12    | 159        | 591        |
| 07:45 AM   | 23                        | 104  | 11    | 138        | 23                            | 218  | 23    | 264        | 2                         | 26   | 10    | 38         | 11                            | 132  | 20    | 163        | 603        |
| 08:00 AM   | 14                        | 94   | 13    | 121        | 22                            | 182  | 16    | 220        | 1                         | 41   | 9     | 51         | 7                             | 110  | 17    | 134        | 526        |
| Total Volume   | 68                        | 394  | 39    | 501        | 82                            | 736  | 64    | 882        | 10                        | 124  | 41    | 175        | 51                            | 452  | 63    | 566        | 2124       |
| % App. Total   | 13.6                      | 78.6 | 7.8   |            | 9.3                           | 83.4 | 7.3   |            | 5.7                       | 70.9 | 23.4  |            | 9                             | 79.9 | 11.1  |            |            |
| PHF  | .739                      | .947 | .750  | .908       | .891                          | .844 | .696  | .835       | .625                      | .756 | .603  | .781       | .708                          | .856 | .788  | .868       | .881       |

City of Placentia  
 N/S: Richfield Road  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 39PLARIORAM  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM |      |      |      | 07:15 AM |      |      |      | 07:30 AM |      |      |      | 07:30 AM |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|----------|------|------|------|
| +0 mins.     | 9        | 102  | 4    | 115  | 19       | 122  | 8    | 149  | 3        | 36   | 17   | 56   | 18       | 129  | 12   | 159  |
| +15 mins.    | 22       | 94   | 11   | 127  | 18       | 214  | 17   | 249  | 2        | 26   | 10   | 38   | 11       | 132  | 20   | 163  |
| +30 mins.    | 23       | 104  | 11   | 138  | 23       | 218  | 23   | 264  | 1        | 41   | 9    | 51   | 7        | 110  | 17   | 134  |
| +45 mins.    | 14       | 94   | 13   | 121  | 22       | 182  | 16   | 220  | 4        | 27   | 7    | 38   | 19       | 92   | 22   | 133  |
| Total Volume | 68       | 394  | 39   | 501  | 82       | 736  | 64   | 882  | 10       | 130  | 43   | 183  | 55       | 463  | 71   | 589  |
| % App. Total | 13.6     | 78.6 | 7.8  |      | 9.3      | 83.4 | 7.3  |      | 5.5      | 71   | 23.5 |      | 9.3      | 78.6 | 12.1 |      |
| PHF          | .739     | .947 | .750 | .908 | .891     | .844 | .696 | .835 | .625     | .793 | .632 | .817 | .724     | .877 | .807 | .903 |

City of Placentia  
 N/S: Richfield Road  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 39PLARIORPM  
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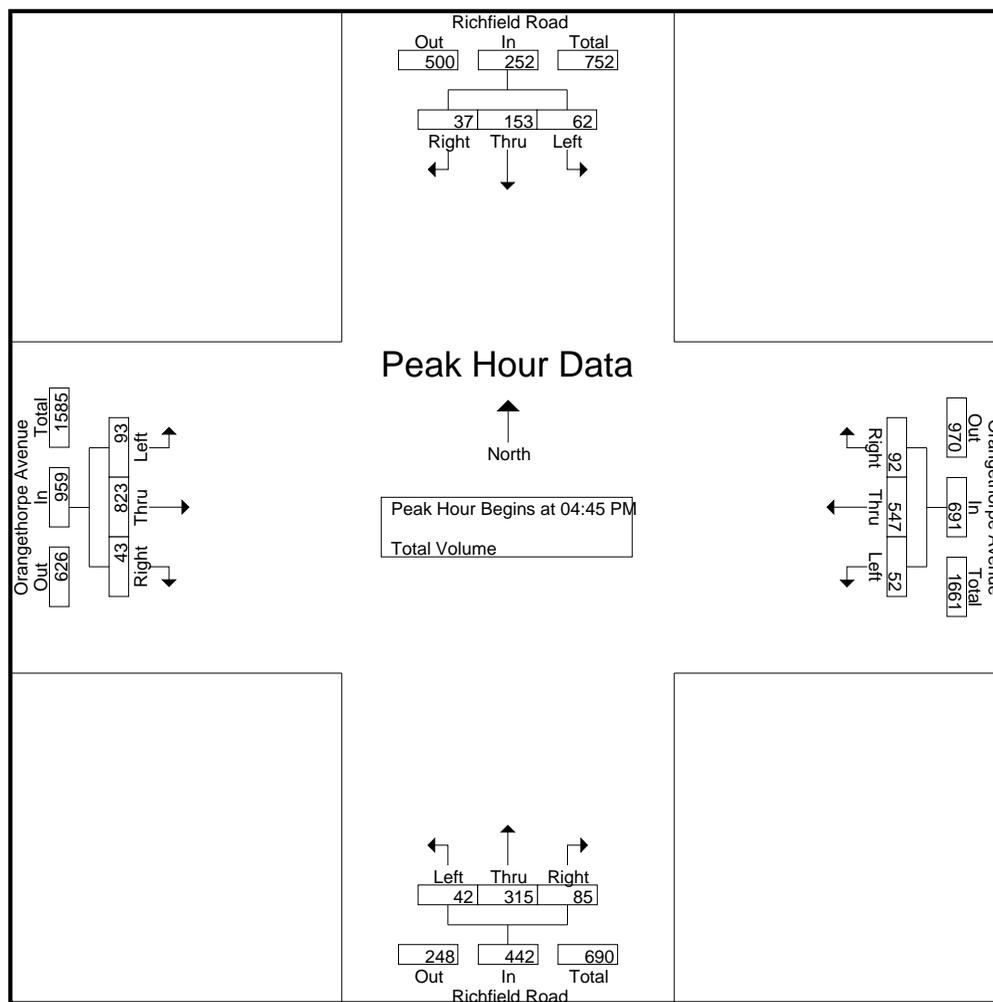
Groups Printed- Total Volume

| Start Time  | Richfield Road Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| 04:00 PM    | 7                         | 39   | 8     | 54         | 8                             | 124  | 24    | 156        | 17                        | 66   | 14    | 97         | 13                            | 157  | 6     | 176        | 483        |
| 04:15 PM    | 20                        | 21   | 11    | 52         | 13                            | 111  | 16    | 140        | 6                         | 64   | 8     | 78         | 32                            | 164  | 11    | 207        | 477        |
| 04:30 PM    | 13                        | 34   | 6     | 53         | 12                            | 119  | 20    | 151        | 11                        | 81   | 16    | 108        | 29                            | 165  | 13    | 207        | 519        |
| 04:45 PM    | 19                        | 36   | 11    | 66         | 16                            | 127  | 29    | 172        | 11                        | 75   | 27    | 113        | 27                            | 213  | 11    | 251        | 602        |
| Total       | 59                        | 130  | 36    | 225        | 49                            | 481  | 89    | 619        | 45                        | 286  | 65    | 396        | 101                           | 699  | 41    | 841        | 2081       |
| 05:00 PM    | 14                        | 32   | 9     | 55         | 10                            | 145  | 18    | 173        | 10                        | 87   | 19    | 116        | 20                            | 205  | 9     | 234        | 578        |
| 05:15 PM    | 13                        | 44   | 7     | 64         | 17                            | 154  | 22    | 193        | 11                        | 90   | 21    | 122        | 25                            | 215  | 15    | 255        | 634        |
| 05:30 PM    | 16                        | 41   | 10    | 67         | 9                             | 121  | 23    | 153        | 10                        | 63   | 18    | 91         | 21                            | 190  | 8     | 219        | 530        |
| 05:45 PM    | 20                        | 26   | 12    | 58         | 13                            | 128  | 22    | 163        | 4                         | 58   | 8     | 70         | 24                            | 206  | 16    | 246        | 537        |
| Total       | 63                        | 143  | 38    | 244        | 49                            | 548  | 85    | 682        | 35                        | 298  | 66    | 399        | 90                            | 816  | 48    | 954        | 2279       |
| Grand Total | 122                       | 273  | 74    | 469        | 98                            | 1029 | 174   | 1301       | 80                        | 584  | 131   | 795        | 191                           | 1515 | 89    | 1795       | 4360       |
| Apprch %    | 26                        | 58.2 | 15.8  |            | 7.5                           | 79.1 | 13.4  |            | 10.1                      | 73.5 | 16.5  |            | 10.6                          | 84.4 | 5     |            |            |
| Total %     | 2.8                       | 6.3  | 1.7   | 10.8       | 2.2                           | 23.6 | 4     | 29.8       | 1.8                       | 13.4 | 3     | 18.2       | 4.4                           | 34.7 | 2     | 41.2       |            |

| Start Time   | Richfield Road Southbound |      |       |            | Orangethorpe Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Orangethorpe Avenue Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|---------------------------|------|-------|------------|-------------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                          | Thru | Right | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                           |      |       |            |                               |      |       |            |                           |      |       |            |                               |      |       |            |            |
| 04:45 PM   | 19                        | 36   | 11    | 66         | 16                            | 127  | 29    | 172        | 11                        | 75   | 27    | 113        | 27                            | 213  | 11    | 251        | 602        |
| 05:00 PM   | 14                        | 32   | 9     | 55         | 10                            | 145  | 18    | 173        | 10                        | 87   | 19    | 116        | 20                            | 205  | 9     | 234        | 578        |
| 05:15 PM   | 13                        | 44   | 7     | 64         | 17                            | 154  | 22    | 193        | 11                        | 90   | 21    | 122        | 25                            | 215  | 15    | 255        | 634        |
| 05:30 PM   | 16                        | 41   | 10    | 67         | 9                             | 121  | 23    | 153        | 10                        | 63   | 18    | 91         | 21                            | 190  | 8     | 219        | 530        |
| Total Volume   | 62                        | 153  | 37    | 252        | 52                            | 547  | 92    | 691        | 42                        | 315  | 85    | 442        | 93                            | 823  | 43    | 959        | 2344       |
| % App. Total   | 24.6                      | 60.7 | 14.7  |            | 7.5                           | 79.2 | 13.3  |            | 9.5                       | 71.3 | 19.2  |            | 9.7                           | 85.8 | 4.5   |            |            |
| PHF  | .816                      | .869 | .841  | .940       | .765                          | .888 | .793  | .895       | .955                      | .875 | .787  | .906       | .861                          | .957 | .717  | .940       | .924       |

City of Placentia  
 N/S: Richfield Road  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 39PLARIORPM  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:45 PM |      |      |      | 04:30 PM |      |      |      | 04:45 PM |      |      |      |      |      |      |      |
|--------------|----------|------|------|------|----------|------|------|------|----------|------|------|------|------|------|------|------|
| +0 mins.     | 19       | 36   | 11   | 66   | 16       | 127  | 29   | 172  | 11       | 81   | 16   | 108  | 27   | 213  | 11   | 251  |
| +15 mins.    | 14       | 32   | 9    | 55   | 10       | 145  | 18   | 173  | 11       | 75   | 27   | 113  | 20   | 205  | 9    | 234  |
| +30 mins.    | 13       | 44   | 7    | 64   | 17       | 154  | 22   | 193  | 10       | 87   | 19   | 116  | 25   | 215  | 15   | 255  |
| +45 mins.    | 16       | 41   | 10   | 67   | 9        | 121  | 23   | 153  | 11       | 90   | 21   | 122  | 21   | 190  | 8    | 219  |
| Total Volume | 62       | 153  | 37   | 252  | 52       | 547  | 92   | 691  | 43       | 333  | 83   | 459  | 93   | 823  | 43   | 959  |
| % App. Total | 24.6     | 60.7 | 14.7 |      | 7.5      | 79.2 | 13.3 |      | 9.4      | 72.5 | 18.1 |      | 9.7  | 85.8 | 4.5  |      |
| PHF          | .816     | .869 | .841 | .940 | .765     | .888 | .793 | .895 | .977     | .925 | .769 | .941 | .861 | .957 | .717 | .940 |

City of Placentia  
 N/S: Lakeview Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 40PLALAORAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

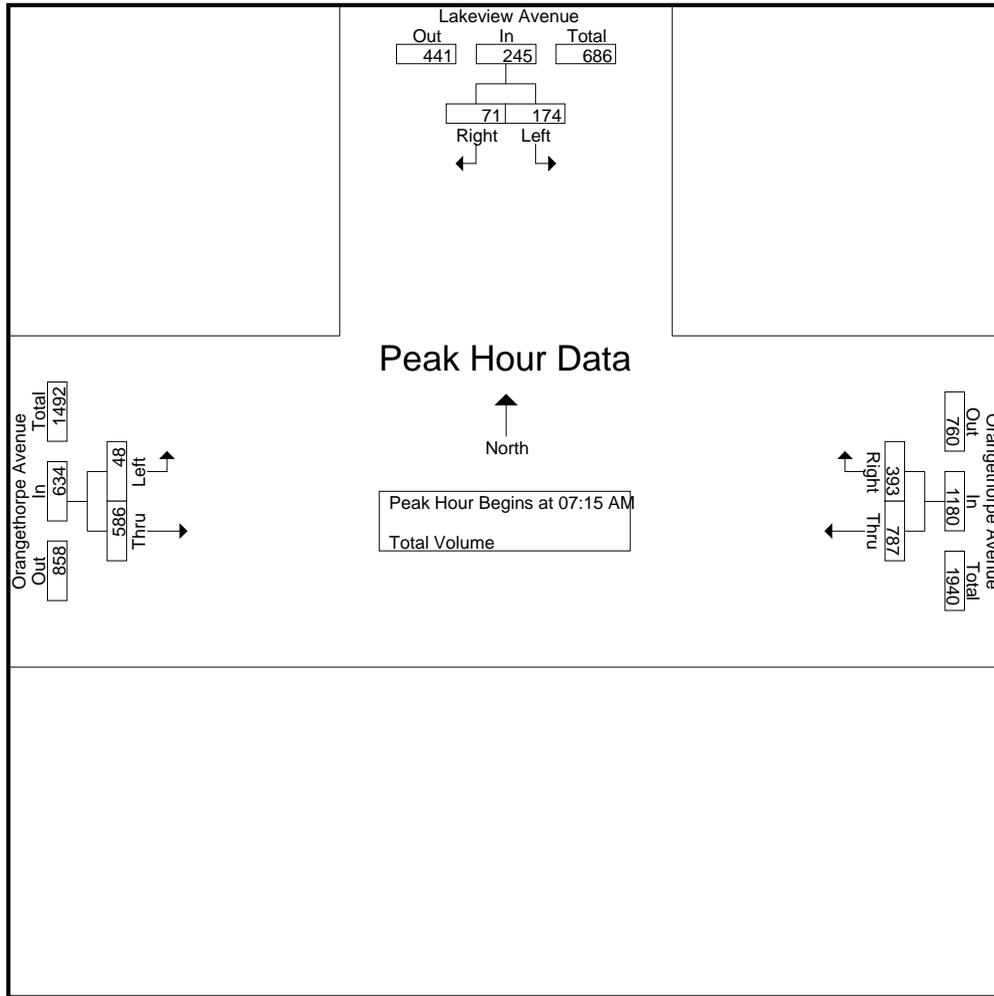
| Start Time  | Lakeview Avenue Southbound |       |            | Orangethorpe Avenue Westbound |       |            | Orangethorpe Avenue Eastbound |      |            | Int. Total |
|-------------|----------------------------|-------|------------|-------------------------------|-------|------------|-------------------------------|------|------------|------------|
|             | Left                       | Right | App. Total | Thru                          | Right | App. Total | Left                          | Thru | App. Total |            |
| 07:00 AM    | 19                         | 11    | 30         | 99                            | 60    | 159        | 5                             | 60   | 65         | 254        |
| 07:15 AM    | 26                         | 11    | 37         | 139                           | 83    | 222        | 7                             | 112  | 119        | 378        |
| 07:30 AM    | 74                         | 13    | 87         | 238                           | 107   | 345        | 12                            | 184  | 196        | 628        |
| 07:45 AM    | 45                         | 21    | 66         | 229                           | 118   | 347        | 14                            | 182  | 196        | 609        |
| Total       | 164                        | 56    | 220        | 705                           | 368   | 1073       | 38                            | 538  | 576        | 1869       |
| 08:00 AM    | 29                         | 26    | 55         | 181                           | 85    | 266        | 15                            | 108  | 123        | 444        |
| 08:15 AM    | 20                         | 12    | 32         | 106                           | 64    | 170        | 16                            | 87   | 103        | 305        |
| 08:30 AM    | 21                         | 17    | 38         | 129                           | 54    | 183        | 12                            | 95   | 107        | 328        |
| 08:45 AM    | 15                         | 8     | 23         | 114                           | 52    | 166        | 9                             | 84   | 93         | 282        |
| Total       | 85                         | 63    | 148        | 530                           | 255   | 785        | 52                            | 374  | 426        | 1359       |
| Grand Total | 249                        | 119   | 368        | 1235                          | 623   | 1858       | 90                            | 912  | 1002       | 3228       |
| Apprch %    | 67.7                       | 32.3  |            | 66.5                          | 33.5  |            | 9                             | 91   |            |            |
| Total %     | 7.7                        | 3.7   | 11.4       | 38.3                          | 19.3  | 57.6       | 2.8                           | 28.3 | 31         |            |

| Start Time   | Lakeview Avenue Southbound |           |            | Orangethorpe Avenue Westbound |            |            | Orangethorpe Avenue Eastbound |            |            | Int. Total |
|--------------|----------------------------|-----------|------------|-------------------------------|------------|------------|-------------------------------|------------|------------|------------|
|              | Left                       | Right     | App. Total | Thru                          | Right      | App. Total | Left                          | Thru       | App. Total |            |
| 07:15 AM     | 26                         | 11        | 37         | 139                           | 83         | 222        | 7                             | 112        | 119        | 378        |
| 07:30 AM     | <b>74</b>                  | 13        | <b>87</b>  | <b>238</b>                    | 107        | 345        | 12                            | <b>184</b> | <b>196</b> | <b>628</b> |
| 07:45 AM     | 45                         | 21        | 66         | 229                           | <b>118</b> | <b>347</b> | 14                            | 182        | 196        | 609        |
| 08:00 AM     | 29                         | <b>26</b> | 55         | 181                           | 85         | 266        | <b>15</b>                     | 108        | 123        | 444        |
| Total Volume | 174                        | 71        | 245        | 787                           | 393        | 1180       | 48                            | 586        | 634        | 2059       |
| % App. Total | 71                         | 29        |            | 66.7                          | 33.3       |            | 7.6                           | 92.4       |            |            |
| PHF          | .588                       | .683      | .704       | .827                          | .833       | .850       | .800                          | .796       | .809       | .820       |

Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 07:15 AM

City of Placentia  
 N/S: Lakeview Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 40PLALAORAM  
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Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |           | 07:15 AM   |            |            | 07:15 AM  |            |            |
|--------------|-----------|-----------|-----------|------------|------------|------------|-----------|------------|------------|
| +0 mins.     | 26        | 11        | 37        | 139        | 83         | 222        | 7         | 112        | 119        |
| +15 mins.    | <b>74</b> | 13        | <b>87</b> | <b>238</b> | 107        | 345        | 12        | <b>184</b> | <b>196</b> |
| +30 mins.    | 45        | 21        | 66        | 229        | <b>118</b> | <b>347</b> | 14        | 182        | 196        |
| +45 mins.    | 29        | <b>26</b> | 55        | 181        | 85         | 266        | <b>15</b> | 108        | 123        |
| Total Volume | 174       | 71        | 245       | 787        | 393        | 1180       | 48        | 586        | 634        |
| % App. Total | 71        | 29        |           | 66.7       | 33.3       |            | 7.6       | 92.4       |            |
| PHF          | .588      | .683      | .704      | .827       | .833       | .850       | .800      | .796       | .809       |

City of Placentia  
 N/S: Lakeview Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 40PLALAORPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

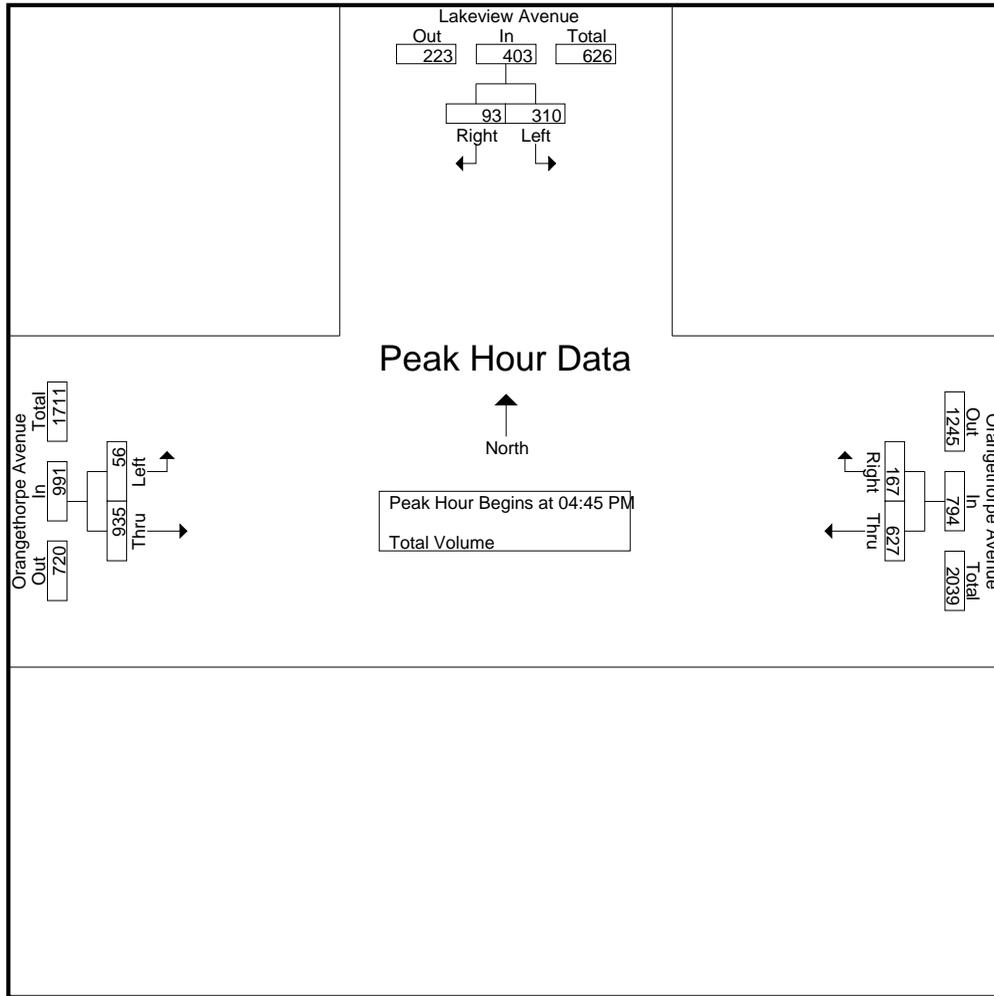
| Start Time  | Lakeview Avenue<br>Southbound |       |            | Orangethorpe Avenue<br>Westbound |       |            | Orangethorpe Avenue<br>Eastbound |      |            | Int. Total |
|-------------|-------------------------------|-------|------------|----------------------------------|-------|------------|----------------------------------|------|------------|------------|
|             | Left                          | Right | App. Total | Thru                             | Right | App. Total | Left                             | Thru | App. Total |            |
| 04:00 PM    | 56                            | 12    | 68         | 133                              | 35    | 168        | 12                               | 145  | 157        | 393        |
| 04:15 PM    | 54                            | 16    | 70         | 137                              | 37    | 174        | 12                               | 194  | 206        | 450        |
| 04:30 PM    | 78                            | 33    | 111        | 115                              | 46    | 161        | 9                                | 165  | 174        | 446        |
| 04:45 PM    | 67                            | 17    | 84         | 151                              | 48    | 199        | 17                               | 242  | 259        | 542        |
| Total       | 255                           | 78    | 333        | 536                              | 166   | 702        | 50                               | 746  | 796        | 1831       |
| 05:00 PM    | 80                            | 18    | 98         | 173                              | 45    | 218        | 13                               | 239  | 252        | 568        |
| 05:15 PM    | 86                            | 32    | 118        | 167                              | 34    | 201        | 16                               | 228  | 244        | 563        |
| 05:30 PM    | 77                            | 26    | 103        | 136                              | 40    | 176        | 10                               | 226  | 236        | 515        |
| 05:45 PM    | 61                            | 21    | 82         | 157                              | 36    | 193        | 10                               | 226  | 236        | 511        |
| Total       | 304                           | 97    | 401        | 633                              | 155   | 788        | 49                               | 919  | 968        | 2157       |
| Grand Total | 559                           | 175   | 734        | 1169                             | 321   | 1490       | 99                               | 1665 | 1764       | 3988       |
| Apprch %    | 76.2                          | 23.8  |            | 78.5                             | 21.5  |            | 5.6                              | 94.4 |            |            |
| Total %     | 14                            | 4.4   | 18.4       | 29.3                             | 8     | 37.4       | 2.5                              | 41.8 | 44.2       |            |

| Start Time   | Lakeview Avenue<br>Southbound |           |            | Orangethorpe Avenue<br>Westbound |           |            | Orangethorpe Avenue<br>Eastbound |            |            | Int. Total |
|--------------|-------------------------------|-----------|------------|----------------------------------|-----------|------------|----------------------------------|------------|------------|------------|
|              | Left                          | Right     | App. Total | Thru                             | Right     | App. Total | Left                             | Thru       | App. Total |            |
| 04:45 PM     | 67                            | 17        | 84         | 151                              | <b>48</b> | 199        | 17                               | <b>242</b> | <b>259</b> | 542        |
| 05:00 PM     | 80                            | 18        | 98         | <b>173</b>                       | 45        | <b>218</b> | 13                               | 239        | 252        | <b>568</b> |
| 05:15 PM     | <b>86</b>                     | <b>32</b> | <b>118</b> | 167                              | 34        | 201        | 16                               | 228        | 244        | 563        |
| 05:30 PM     | 77                            | 26        | 103        | 136                              | 40        | 176        | 10                               | 226        | 236        | 515        |
| Total Volume | 310                           | 93        | 403        | 627                              | 167       | 794        | 56                               | 935        | 991        | 2188       |
| % App. Total | 76.9                          | 23.1      |            | 79                               | 21        |            | 5.7                              | 94.3       |            |            |
| PHF          | .901                          | .727      | .854       | .906                             | .870      | .911       | .824                             | .966       | .957       | .963       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:45 PM

City of Placentia  
 N/S: Lakeview Avenue  
 E/W: Orangethorpe Avenue  
 Weather: Clear

File Name : 40PLALAORPM  
 Site Code : 22117718  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |           |            | 04:45 PM   |           |            | 04:45 PM  |            |            |
|--------------|-----------|-----------|------------|------------|-----------|------------|-----------|------------|------------|
| +0 mins.     | 78        | <b>33</b> | 111        | 151        | <b>48</b> | 199        | <b>17</b> | <b>242</b> | <b>259</b> |
| +15 mins.    | 67        | 17        | 84         | <b>173</b> | 45        | <b>218</b> | 13        | 239        | 252        |
| +30 mins.    | 80        | 18        | 98         | 167        | 34        | 201        | 16        | 228        | 244        |
| +45 mins.    | <b>86</b> | 32        | <b>118</b> | 136        | 40        | 176        | 10        | 226        | 236        |
| Total Volume | 311       | 100       | 411        | 627        | 167       | 794        | 56        | 935        | 991        |
| % App. Total | 75.7      | 24.3      |            | 79         | 21        |            | 5.7       | 94.3       |            |
| PHF          | .904      | .758      | .871       | .906       | .870      | .911       | .824      | .966       | .957       |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 41PLAVBIAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

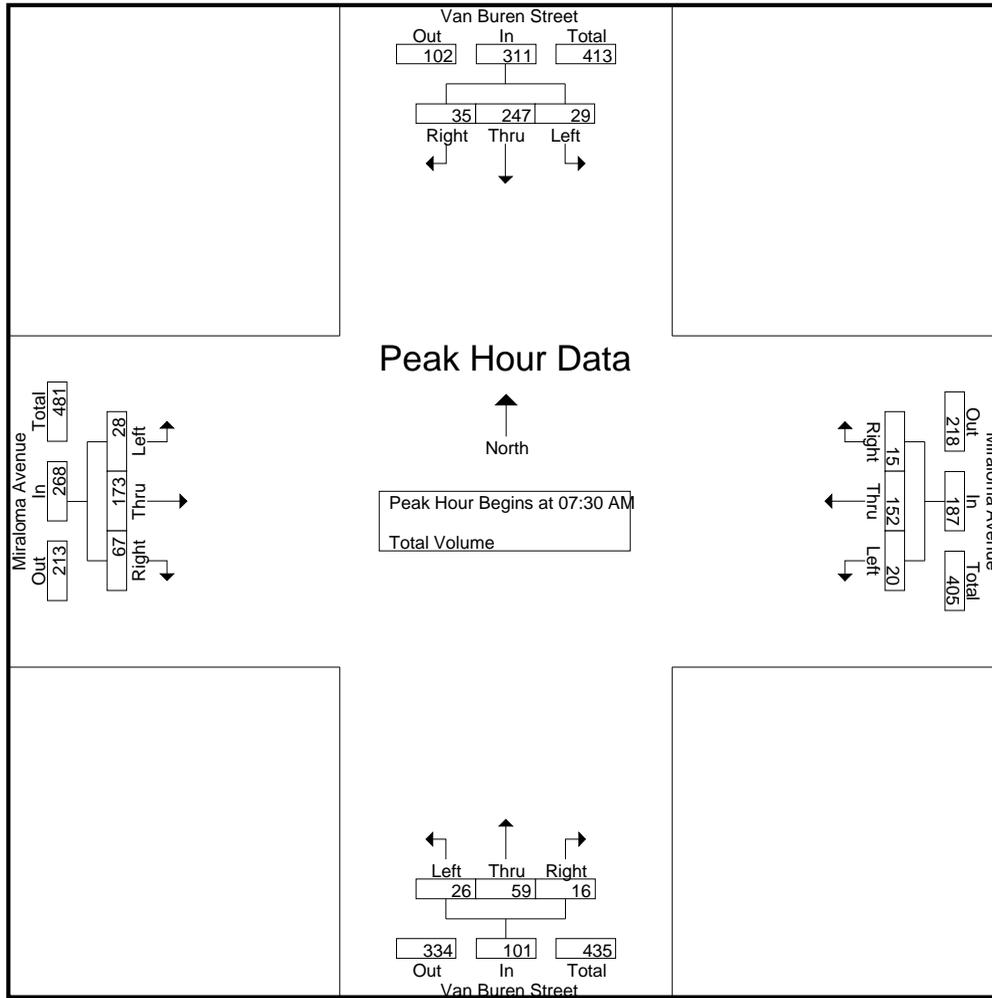
Groups Printed- Total Volume

| Start Time         | Van Buren Street Southbound |            |           |            | Miraloma Avenue Westbound |            |           |            | Van Buren Street Northbound |            |           |            | Miraloma Avenue Eastbound |            |           |            | Int. Total  |
|--------------------|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-------------|
|                    | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total |             |
| 07:00 AM           | 7                           | 50         | 8         | 65         | 4                         | 29         | 4         | 37         | 8                           | 14         | 7         | 29         | 12                        | 42         | 10        | 64         | 195         |
| 07:15 AM           | 10                          | 75         | 7         | 92         | 6                         | 28         | 5         | 39         | 3                           | 10         | 3         | 16         | 7                         | 31         | 6         | 44         | 191         |
| 07:30 AM           | 6                           | 67         | 4         | 77         | 4                         | 24         | 5         | 33         | 3                           | 10         | 4         | 17         | 11                        | 34         | 14        | 59         | 186         |
| 07:45 AM           | 11                          | 69         | 11        | 91         | 3                         | 53         | 5         | 61         | 8                           | 14         | 3         | 25         | 8                         | 50         | 19        | 77         | 254         |
| <b>Total</b>       | <b>34</b>                   | <b>261</b> | <b>30</b> | <b>325</b> | <b>17</b>                 | <b>134</b> | <b>19</b> | <b>170</b> | <b>22</b>                   | <b>48</b>  | <b>17</b> | <b>87</b>  | <b>38</b>                 | <b>157</b> | <b>49</b> | <b>244</b> | <b>826</b>  |
| 08:00 AM           | 8                           | 59         | 8         | 75         | 6                         | 41         | 5         | 52         | 5                           | 16         | 4         | 25         | 5                         | 44         | 22        | 71         | 223         |
| 08:15 AM           | 4                           | 52         | 12        | 68         | 7                         | 34         | 0         | 41         | 10                          | 19         | 5         | 34         | 4                         | 45         | 12        | 61         | 204         |
| 08:30 AM           | 7                           | 30         | 5         | 42         | 4                         | 30         | 1         | 35         | 7                           | 17         | 2         | 26         | 8                         | 35         | 7         | 50         | 153         |
| 08:45 AM           | 3                           | 42         | 12        | 57         | 5                         | 41         | 0         | 46         | 7                           | 16         | 4         | 27         | 10                        | 54         | 8         | 72         | 202         |
| <b>Total</b>       | <b>22</b>                   | <b>183</b> | <b>37</b> | <b>242</b> | <b>22</b>                 | <b>146</b> | <b>6</b>  | <b>174</b> | <b>29</b>                   | <b>68</b>  | <b>15</b> | <b>112</b> | <b>27</b>                 | <b>178</b> | <b>49</b> | <b>254</b> | <b>782</b>  |
| <b>Grand Total</b> | <b>56</b>                   | <b>444</b> | <b>67</b> | <b>567</b> | <b>39</b>                 | <b>280</b> | <b>25</b> | <b>344</b> | <b>51</b>                   | <b>116</b> | <b>32</b> | <b>199</b> | <b>65</b>                 | <b>335</b> | <b>98</b> | <b>498</b> | <b>1608</b> |
| Apprch %           | 9.9                         | 78.3       | 11.8      |            | 11.3                      | 81.4       | 7.3       |            | 25.6                        | 58.3       | 16.1      |            | 13.1                      | 67.3       | 19.7      |            |             |
| Total %            | 3.5                         | 27.6       | 4.2       | 35.3       | 2.4                       | 17.4       | 1.6       | 21.4       | 3.2                         | 7.2        | 2         | 12.4       | 4                         | 20.8       | 6.1       | 31         |             |

| Start Time   | Van Buren Street Southbound |      |       |            | Miraloma Avenue Westbound |      |       |            | Van Buren Street Northbound |      |       |            | Miraloma Avenue Eastbound |      |       |            | Int. Total |
|--|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|-----------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|  | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                        | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |            |                           |      |       |            |                             |      |       |            |                           |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                             |      |       |            |                           |      |       |            |                             |      |       |            |                           |      |       |            |            |
| 07:30 AM   | 6                           | 67   | 4     | 77         | 4                         | 24   | 5     | 33         | 3                           | 10   | 4     | 17         | 11                        | 34   | 14    | 59         | 186        |
| 07:45 AM   | 11                          | 69   | 11    | 91         | 3                         | 53   | 5     | 61         | 8                           | 14   | 3     | 25         | 8                         | 50   | 19    | 77         | 254        |
| 08:00 AM   | 8                           | 59   | 8     | 75         | 6                         | 41   | 5     | 52         | 5                           | 16   | 4     | 25         | 5                         | 44   | 22    | 71         | 223        |
| 08:15 AM   | 4                           | 52   | 12    | 68         | 7                         | 34   | 0     | 41         | 10                          | 19   | 5     | 34         | 4                         | 45   | 12    | 61         | 204        |
| Total Volume   | 29                          | 247  | 35    | 311        | 20                        | 152  | 15    | 187        | 26                          | 59   | 16    | 101        | 28                        | 173  | 67    | 268        | 867        |
| % App. Total   | 9.3                         | 79.4 | 11.3  |            | 10.7                      | 81.3 | 8     |            | 25.7                        | 58.4 | 15.8  |            | 10.4                      | 64.6 | 25    |            |            |
| PHF  | .659                        | .895 | .729  | .854       | .714                      | .717 | .750  | .766       | .650                        | .776 | .800  | .743       | .636                      | .865 | .761  | .870       | .853       |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 41PLAVBIAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |           |           | 07:45 AM |           |      |           | 08:00 AM  |           |          |           | 07:30 AM  |           |           |           |
|--------------|-----------|-----------|-----------|-----------|----------|-----------|------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| +0 mins.     | 10        | <b>75</b> | 7         | <b>92</b> | 3        | <b>53</b> | 5    | <b>61</b> | 5         | 16        | 4        | 25        | <b>11</b> | 34        | 14        | 59        |
| +15 mins.    | 6         | 67        | 4         | 77        | 6        | 41        | 5    | 52        | <b>10</b> | <b>19</b> | <b>5</b> | <b>34</b> | 8         | <b>50</b> | 19        | <b>77</b> |
| +30 mins.    | <b>11</b> | 69        | <b>11</b> | 91        | <b>7</b> | 34        | 0    | 41        | 7         | 17        | 2        | 26        | 5         | 44        | <b>22</b> | 71        |
| +45 mins.    | 8         | 59        | 8         | 75        | 4        | 30        | 1    | 35        | 7         | 16        | 4        | 27        | 4         | 45        | 12        | 61        |
| Total Volume | 35        | 270       | 30        | 335       | 20       | 158       | 11   | 189       | 29        | 68        | 15       | 112       | 28        | 173       | 67        | 268       |
| % App. Total | 10.4      | 80.6      | 9         |           | 10.6     | 83.6      | 5.8  |           | 25.9      | 60.7      | 13.4     |           | 10.4      | 64.6      | 25        |           |
| PHF          | .795      | .900      | .682      | .910      | .714     | .745      | .550 | .775      | .725      | .895      | .750     | .824      | .636      | .865      | .761      | .870      |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 41PLAVBMIPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

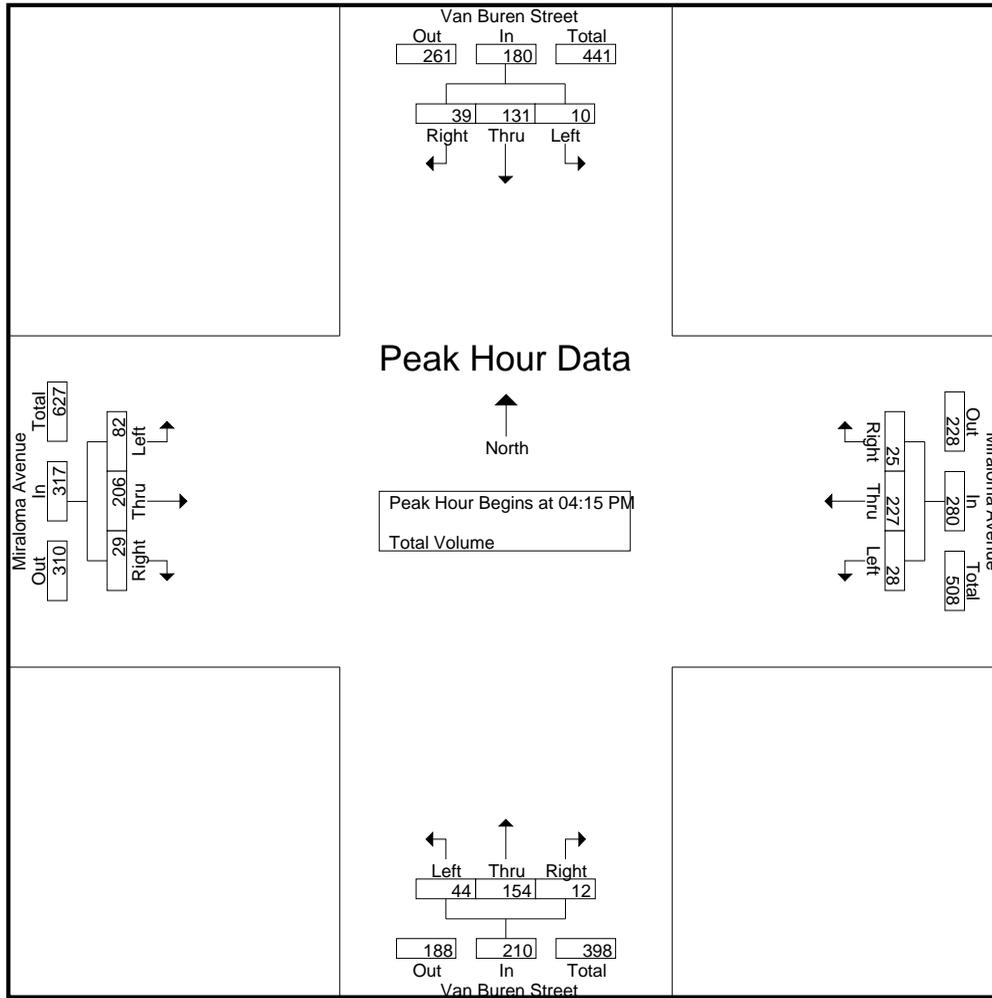
Groups Printed- Total Volume

| Start Time         | Van Buren Street Southbound |            |           |            | Miraloma Avenue Westbound |            |           |            | Van Buren Street Northbound |            |           |            | Miraloma Avenue Eastbound |            |           |            | Int. Total  |
|--------------------|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-------------|
|                    | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total |             |
| 04:00 PM           | 4                           | 30         | 11        | 45         | 2                         | 35         | 8         | 45         | 7                           | 37         | 8         | 52         | 23                        | 49         | 12        | 84         | 226         |
| 04:15 PM           | 3                           | 30         | 11        | 44         | 6                         | 40         | 8         | 54         | 10                          | 33         | 2         | 45         | 23                        | 50         | 6         | 79         | 222         |
| 04:30 PM           | 2                           | 47         | 8         | 57         | 10                        | 72         | 7         | 89         | 13                          | 39         | 2         | 54         | 21                        | 46         | 10        | 77         | 277         |
| 04:45 PM           | 2                           | 28         | 11        | 41         | 3                         | 37         | 7         | 47         | 9                           | 34         | 5         | 48         | 19                        | 45         | 5         | 69         | 205         |
| <b>Total</b>       | <b>11</b>                   | <b>135</b> | <b>41</b> | <b>187</b> | <b>21</b>                 | <b>184</b> | <b>30</b> | <b>235</b> | <b>39</b>                   | <b>143</b> | <b>17</b> | <b>199</b> | <b>86</b>                 | <b>190</b> | <b>33</b> | <b>309</b> | <b>930</b>  |
| 05:00 PM           | 3                           | 26         | 9         | 38         | 9                         | 78         | 3         | 90         | 12                          | 48         | 3         | 63         | 19                        | 65         | 8         | 92         | 283         |
| 05:15 PM           | 6                           | 20         | 9         | 35         | 3                         | 47         | 8         | 58         | 11                          | 36         | 3         | 50         | 22                        | 43         | 5         | 70         | 213         |
| 05:30 PM           | 3                           | 33         | 10        | 46         | 3                         | 35         | 5         | 43         | 10                          | 28         | 5         | 43         | 15                        | 41         | 3         | 59         | 191         |
| 05:45 PM           | 5                           | 29         | 13        | 47         | 4                         | 29         | 7         | 40         | 8                           | 28         | 2         | 38         | 17                        | 42         | 0         | 59         | 184         |
| <b>Total</b>       | <b>17</b>                   | <b>108</b> | <b>41</b> | <b>166</b> | <b>19</b>                 | <b>189</b> | <b>23</b> | <b>231</b> | <b>41</b>                   | <b>140</b> | <b>13</b> | <b>194</b> | <b>73</b>                 | <b>191</b> | <b>16</b> | <b>280</b> | <b>871</b>  |
| <b>Grand Total</b> | <b>28</b>                   | <b>243</b> | <b>82</b> | <b>353</b> | <b>40</b>                 | <b>373</b> | <b>53</b> | <b>466</b> | <b>80</b>                   | <b>283</b> | <b>30</b> | <b>393</b> | <b>159</b>                | <b>381</b> | <b>49</b> | <b>589</b> | <b>1801</b> |
| Apprch %           | 7.9                         | 68.8       | 23.2      |            | 8.6                       | 80         | 11.4      |            | 20.4                        | 72         | 7.6       |            | 27                        | 64.7       | 8.3       |            |             |
| Total %            | 1.6                         | 13.5       | 4.6       | 19.6       | 2.2                       | 20.7       | 2.9       | 25.9       | 4.4                         | 15.7       | 1.7       | 21.8       | 8.8                       | 21.2       | 2.7       | 32.7       |             |

| Start Time   | Van Buren Street Southbound |            |           |            | Miraloma Avenue Westbound |            |           |            | Van Buren Street Northbound |            |           |            | Miraloma Avenue Eastbound |            |           |            | Int. Total |
|--|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|-----------------------------|------------|-----------|------------|---------------------------|------------|-----------|------------|------------|
|  | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total | Left                        | Thru       | Right     | App. Total | Left                      | Thru       | Right     | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |            |           |            |                           |            |           |            |                             |            |           |            |                           |            |           |            |            |
| Peak Hour for Entire Intersection Begins at 04:15 PM       |                             |            |           |            |                           |            |           |            |                             |            |           |            |                           |            |           |            |            |
| 04:15 PM   | 3                           | 30         | 11        | 44         | 6                         | 40         | 8         | 54         | 10                          | 33         | 2         | 45         | 23                        | 50         | 6         | 79         | 222        |
| 04:30 PM   | 2                           | 47         | 8         | 57         | 10                        | 72         | 7         | 89         | 13                          | 39         | 2         | 54         | 21                        | 46         | 10        | 77         | 277        |
| 04:45 PM   | 2                           | 28         | 11        | 41         | 3                         | 37         | 7         | 47         | 9                           | 34         | 5         | 48         | 19                        | 45         | 5         | 69         | 205        |
| 05:00 PM   | 3                           | 26         | 9         | 38         | 9                         | 78         | 3         | 90         | 12                          | 48         | 3         | 63         | 19                        | 65         | 8         | 92         | 283        |
| <b>Total Volume</b>  | <b>10</b>                   | <b>131</b> | <b>39</b> | <b>180</b> | <b>28</b>                 | <b>227</b> | <b>25</b> | <b>280</b> | <b>44</b>                   | <b>154</b> | <b>12</b> | <b>210</b> | <b>82</b>                 | <b>206</b> | <b>29</b> | <b>317</b> | <b>987</b> |
| % App. Total   | 5.6                         | 72.8       | 21.7      |            | 10                        | 81.1       | 8.9       |            | 21                          | 73.3       | 5.7       |            | 25.9                      | 65         | 9.1       |            |            |
| PHF  | .833                        | .697       | .886      | .789       | .700                      | .728       | .781      | .778       | .846                        | .802       | .600      | .833       | .891                      | .792       | .725      | .861       | .872       |

City of Placentia  
 N/S: Van Buren Street  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 41PLAVBMIPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:00 PM |           |           |           | 04:30 PM  |           |          |           | 04:30 PM  |           |          |           | 04:15 PM  |           |           |           |
|--------------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|
| +0 mins.     | <b>4</b> | 30        | <b>11</b> | 45        | <b>10</b> | 72        | 7        | 89        | <b>13</b> | 39        | 2        | 54        | <b>23</b> | 50        | 6         | 79        |
| +15 mins.    | 3        | 30        | 11        | 44        | 3         | 37        | 7        | 47        | 9         | 34        | <b>5</b> | 48        | 21        | 46        | <b>10</b> | 77        |
| +30 mins.    | 2        | <b>47</b> | 8         | <b>57</b> | 9         | <b>78</b> | 3        | <b>90</b> | 12        | <b>48</b> | 3        | <b>63</b> | 19        | 45        | 5         | 69        |
| +45 mins.    | 2        | 28        | 11        | 41        | 3         | 47        | <b>8</b> | 58        | 11        | 36        | 3        | 50        | 19        | <b>65</b> | 8         | <b>92</b> |
| Total Volume | 11       | 135       | 41        | 187       | 25        | 234       | 25       | 284       | 45        | 157       | 13       | 215       | 82        | 206       | 29        | 317       |
| % App. Total | 5.9      | 72.2      | 21.9      |           | 8.8       | 82.4      | 8.8      |           | 20.9      | 73        | 6        |           | 25.9      | 65        | 9.1       |           |
| PHF          | .688     | .718      | .932      | .820      | .625      | .750      | .781     | .789      | .865      | .818      | .650     | .853      | .891      | .792      | .725      | .861      |

City of Placentia  
 N/S: Richfield Road  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 42PLARIMIAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

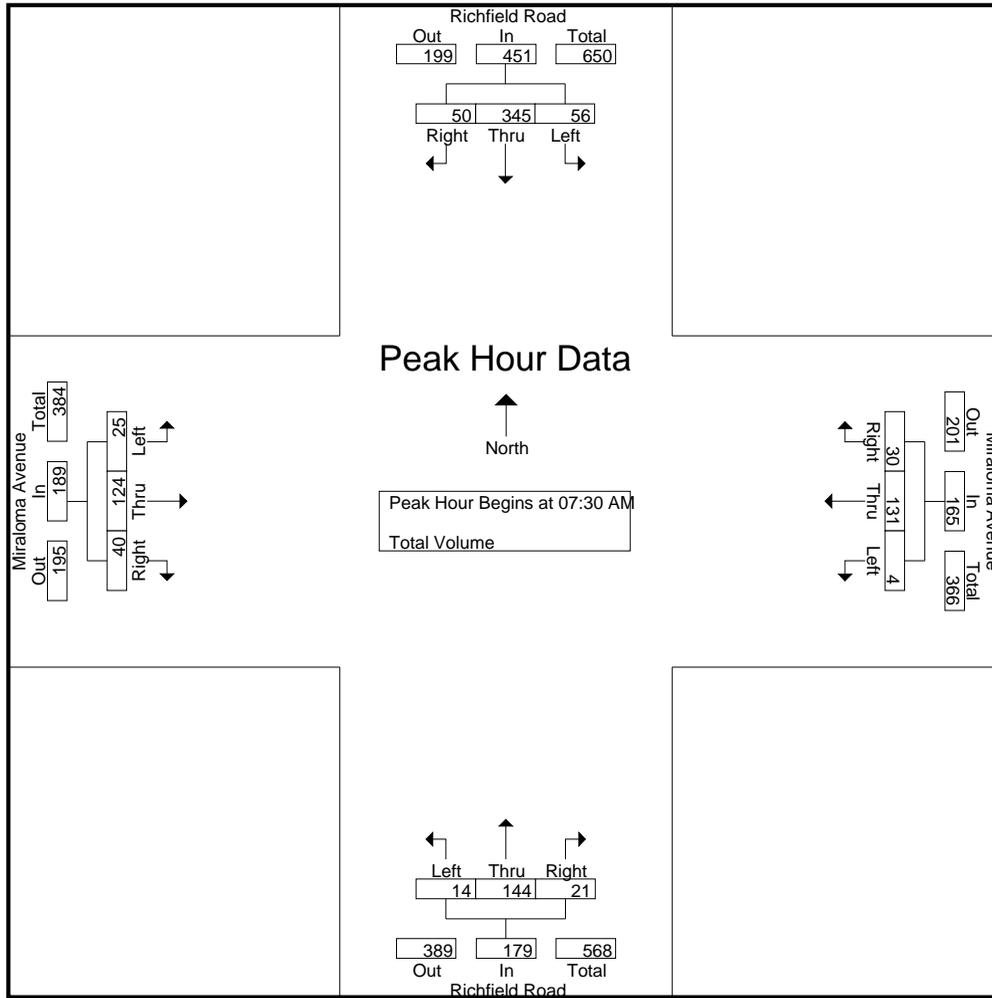
Groups Printed- Total Volume

| Start Time  | Richfield Road Southbound |      |       |            | Miraloma Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Miraloma Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 07:00 AM    | 3                         | 79   | 9     | 91         | 0                         | 27   | 6     | 33         | 4                         | 37   | 8     | 49         | 9                         | 14   | 9     | 32         | 205        |
| 07:15 AM    | 10                        | 91   | 14    | 115        | 0                         | 21   | 6     | 27         | 3                         | 24   | 1     | 28         | 7                         | 22   | 9     | 38         | 208        |
| 07:30 AM    | 7                         | 94   | 14    | 115        | 0                         | 20   | 7     | 27         | 2                         | 48   | 4     | 54         | 8                         | 25   | 7     | 40         | 236        |
| 07:45 AM    | 19                        | 95   | 16    | 130        | 0                         | 42   | 9     | 51         | 4                         | 33   | 3     | 40         | 5                         | 38   | 11    | 54         | 275        |
| Total       | 39                        | 359  | 53    | 451        | 0                         | 110  | 28    | 138        | 13                        | 142  | 16    | 171        | 29                        | 99   | 36    | 164        | 924        |
| 08:00 AM    | 17                        | 96   | 9     | 122        | 1                         | 37   | 8     | 46         | 5                         | 26   | 8     | 39         | 8                         | 25   | 13    | 46         | 253        |
| 08:15 AM    | 13                        | 60   | 11    | 84         | 3                         | 32   | 6     | 41         | 3                         | 37   | 6     | 46         | 4                         | 36   | 9     | 49         | 220        |
| 08:30 AM    | 9                         | 62   | 6     | 77         | 3                         | 31   | 9     | 43         | 5                         | 35   | 7     | 47         | 4                         | 30   | 6     | 40         | 207        |
| 08:45 AM    | 10                        | 61   | 14    | 85         | 1                         | 32   | 5     | 38         | 3                         | 35   | 10    | 48         | 5                         | 28   | 10    | 43         | 214        |
| Total       | 49                        | 279  | 40    | 368        | 8                         | 132  | 28    | 168        | 16                        | 133  | 31    | 180        | 21                        | 119  | 38    | 178        | 894        |
| Grand Total | 88                        | 638  | 93    | 819        | 8                         | 242  | 56    | 306        | 29                        | 275  | 47    | 351        | 50                        | 218  | 74    | 342        | 1818       |
| Apprch %    | 10.7                      | 77.9 | 11.4  |            | 2.6                       | 79.1 | 18.3  |            | 8.3                       | 78.3 | 13.4  |            | 14.6                      | 63.7 | 21.6  |            |            |
| Total %     | 4.8                       | 35.1 | 5.1   | 45         | 0.4                       | 13.3 | 3.1   | 16.8       | 1.6                       | 15.1 | 2.6   | 19.3       | 2.8                       | 12   | 4.1   | 18.8       |            |

| Start Time   | Richfield Road Southbound |      |       |            | Miraloma Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Miraloma Avenue Eastbound |      |       |            | Int. Total |
|--|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|  | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                           |      |       |            |                           |      |       |            |                           |      |       |            |                           |      |       |            |            |
| Peak Hour for Entire Intersection Begins at 07:30 AM       |                           |      |       |            |                           |      |       |            |                           |      |       |            |                           |      |       |            |            |
| 07:30 AM   | 7                         | 94   | 14    | 115        | 0                         | 20   | 7     | 27         | 2                         | 48   | 4     | 54         | 8                         | 25   | 7     | 40         | 236        |
| 07:45 AM   | 19                        | 95   | 16    | 130        | 0                         | 42   | 9     | 51         | 4                         | 33   | 3     | 40         | 5                         | 38   | 11    | 54         | 275        |
| 08:00 AM   | 17                        | 96   | 9     | 122        | 1                         | 37   | 8     | 46         | 5                         | 26   | 8     | 39         | 8                         | 25   | 13    | 46         | 253        |
| 08:15 AM   | 13                        | 60   | 11    | 84         | 3                         | 32   | 6     | 41         | 3                         | 37   | 6     | 46         | 4                         | 36   | 9     | 49         | 220        |
| Total Volume   | 56                        | 345  | 50    | 451        | 4                         | 131  | 30    | 165        | 14                        | 144  | 21    | 179        | 25                        | 124  | 40    | 189        | 984        |
| % App. Total   | 12.4                      | 76.5 | 11.1  |            | 2.4                       | 79.4 | 18.2  |            | 7.8                       | 80.4 | 11.7  |            | 13.2                      | 65.6 | 21.2  |            |            |
| PHF  | .737                      | .898 | .781  | .867       | .333                      | .780 | .833  | .809       | .700                      | .750 | .656  | .829       | .781                      | .816 | .769  | .875       | .895       |

City of Placentia  
 N/S: Richfield Road  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 42PLARIMIAM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 2



Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 07:15 AM  |           |           |            | 07:45 AM |           |          |           | 08:00 AM |           |           |           | 07:30 AM |           |           |           |
|--------------|-----------|-----------|-----------|------------|----------|-----------|----------|-----------|----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|
| +0 mins.     | 10        | 91        | 14        | 115        | 0        | <b>42</b> | <b>9</b> | <b>51</b> | <b>5</b> | 26        | 8         | 39        | <b>8</b> | 25        | 7         | 40        |
| +15 mins.    | 7         | 94        | 14        | 115        | 1        | 37        | 8        | 46        | 3        | <b>37</b> | 6         | 46        | 5        | <b>38</b> | 11        | <b>54</b> |
| +30 mins.    | <b>19</b> | 95        | <b>16</b> | <b>130</b> | <b>3</b> | 32        | 6        | 41        | 5        | 35        | 7         | 47        | 8        | 25        | <b>13</b> | 46        |
| +45 mins.    | 17        | <b>96</b> | 9         | 122        | 3        | 31        | 9        | 43        | 3        | 35        | <b>10</b> | <b>48</b> | 4        | 36        | 9         | 49        |
| Total Volume | 53        | 376       | 53        | 482        | 7        | 142       | 32       | 181       | 16       | 133       | 31        | 180       | 25       | 124       | 40        | 189       |
| % App. Total | 11        | 78        | 11        |            | 3.9      | 78.5      | 17.7     |           | 8.9      | 73.9      | 17.2      |           | 13.2     | 65.6      | 21.2      |           |
| PHF          | .697      | .979      | .828      | .927       | .583     | .845      | .889     | .887      | .800     | .899      | .775      | .938      | .781     | .816      | .769      | .875      |

City of Placentia  
 N/S: Richfield Road  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 42PLARIMIPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
 Page No : 1

Groups Printed- Total Volume

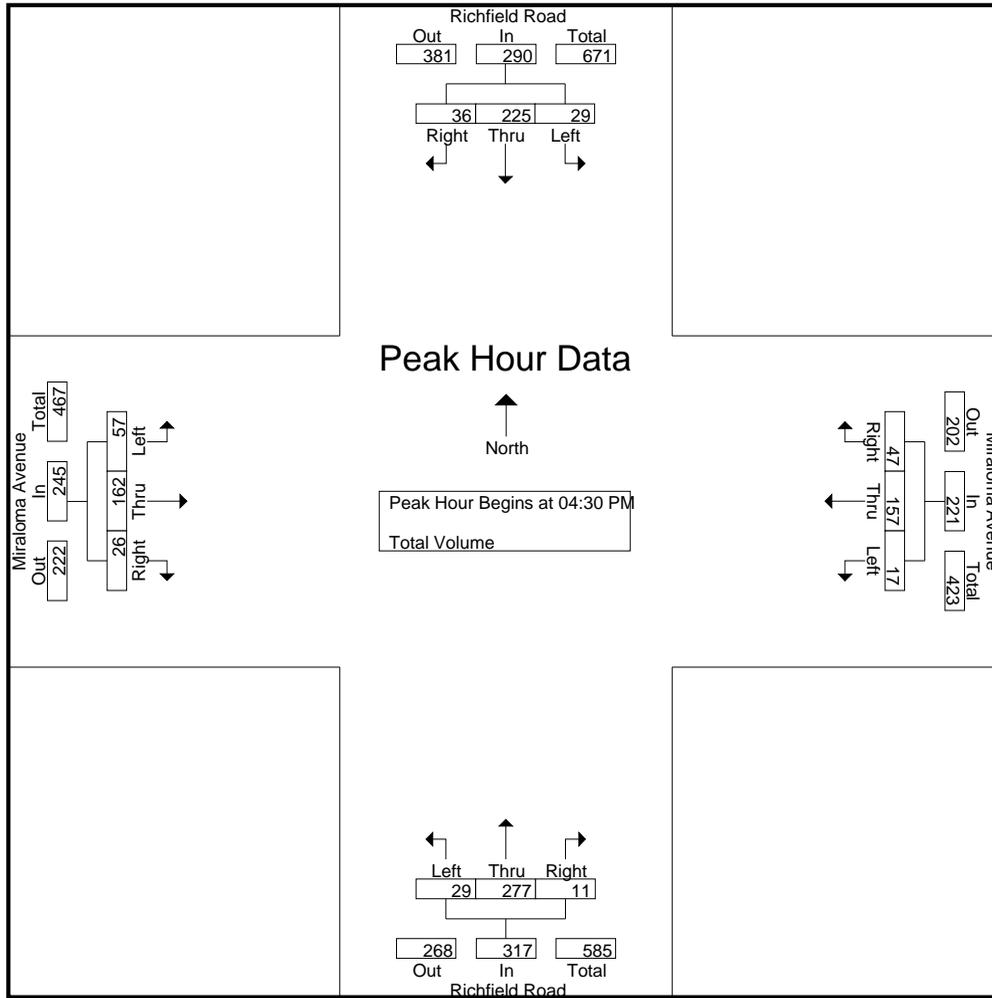
| Start Time  | Richfield Road Southbound |      |       |            | Miraloma Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Miraloma Avenue Eastbound |      |       |            | Int. Total |
|-------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|             | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 04:00 PM    | 2                         | 51   | 8     | 61         | 2                         | 34   | 9     | 45         | 0                         | 57   | 0     | 57         | 14                        | 40   | 5     | 59         | 222        |
| 04:15 PM    | 5                         | 34   | 3     | 42         | 1                         | 30   | 10    | 41         | 8                         | 50   | 2     | 60         | 13                        | 51   | 3     | 67         | 210        |
| 04:30 PM    | 6                         | 59   | 6     | 71         | 9                         | 55   | 20    | 84         | 13                        | 65   | 3     | 81         | 14                        | 33   | 8     | 55         | 291        |
| 04:45 PM    | 7                         | 56   | 13    | 76         | 3                         | 24   | 9     | 36         | 3                         | 73   | 3     | 79         | 15                        | 35   | 4     | 54         | 245        |
| Total       | 20                        | 200  | 30    | 250        | 15                        | 143  | 48    | 206        | 24                        | 245  | 8     | 277        | 56                        | 159  | 20    | 235        | 968        |
| 05:00 PM    | 3                         | 60   | 10    | 73         | 5                         | 41   | 9     | 55         | 9                         | 68   | 4     | 81         | 19                        | 50   | 7     | 76         | 285        |
| 05:15 PM    | 13                        | 50   | 7     | 70         | 0                         | 37   | 9     | 46         | 4                         | 71   | 1     | 76         | 9                         | 44   | 7     | 60         | 252        |
| 05:30 PM    | 3                         | 60   | 4     | 67         | 0                         | 25   | 13    | 38         | 5                         | 63   | 2     | 70         | 11                        | 31   | 7     | 49         | 224        |
| 05:45 PM    | 10                        | 46   | 3     | 59         | 3                         | 28   | 4     | 35         | 5                         | 58   | 2     | 65         | 4                         | 35   | 7     | 46         | 205        |
| Total       | 29                        | 216  | 24    | 269        | 8                         | 131  | 35    | 174        | 23                        | 260  | 9     | 292        | 43                        | 160  | 28    | 231        | 966        |
| Grand Total | 49                        | 416  | 54    | 519        | 23                        | 274  | 83    | 380        | 47                        | 505  | 17    | 569        | 99                        | 319  | 48    | 466        | 1934       |
| Apprch %    | 9.4                       | 80.2 | 10.4  |            | 6.1                       | 72.1 | 21.8  |            | 8.3                       | 88.8 | 3     |            | 21.2                      | 68.5 | 10.3  |            |            |
| Total %     | 2.5                       | 21.5 | 2.8   | 26.8       | 1.2                       | 14.2 | 4.3   | 19.6       | 2.4                       | 26.1 | 0.9   | 29.4       | 5.1                       | 16.5 | 2.5   | 24.1       |            |

| Start Time   | Richfield Road Southbound |      |       |            | Miraloma Avenue Westbound |      |       |            | Richfield Road Northbound |      |       |            | Miraloma Avenue Eastbound |      |       |            | Int. Total |
|--------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|---------------------------|------|-------|------------|------------|
|              | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total | Left                      | Thru | Right | App. Total |            |
| 04:30 PM     | 6                         | 59   | 6     | 71         | 9                         | 55   | 20    | 84         | 13                        | 65   | 3     | 81         | 14                        | 33   | 8     | 55         | 291        |
| 04:45 PM     | 7                         | 56   | 13    | 76         | 3                         | 24   | 9     | 36         | 3                         | 73   | 3     | 79         | 15                        | 35   | 4     | 54         | 245        |
| 05:00 PM     | 3                         | 60   | 10    | 73         | 5                         | 41   | 9     | 55         | 9                         | 68   | 4     | 81         | 19                        | 50   | 7     | 76         | 285        |
| 05:15 PM     | 13                        | 50   | 7     | 70         | 0                         | 37   | 9     | 46         | 4                         | 71   | 1     | 76         | 9                         | 44   | 7     | 60         | 252        |
| Total Volume | 29                        | 225  | 36    | 290        | 17                        | 157  | 47    | 221        | 29                        | 277  | 11    | 317        | 57                        | 162  | 26    | 245        | 1073       |
| % App. Total | 10                        | 77.6 | 12.4  |            | 7.7                       | 71   | 21.3  |            | 9.1                       | 87.4 | 3.5   |            | 23.3                      | 66.1 | 10.6  |            |            |
| PHF          | .558                      | .938 | .692  | .954       | .472                      | .714 | .588  | .658       | .558                      | .949 | .688  | .978       | .750                      | .810 | .813  | .806       | .922       |

Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Entire Intersection Begins at 04:30 PM

City of Placentia  
 N/S: Richfield Road  
 E/W: Miraloma Avenue  
 Weather: Clear

File Name : 42PLARIMIPM  
 Site Code : 22117718  
 Start Date : 11/2/2017  
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Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1  
 Peak Hour for Each Approach Begins at:

|              | 04:30 PM  |           |           |           | 04:30 PM |           |           |           | 04:30 PM  |           |          |           | 04:15 PM  |           |          |           |
|--------------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|----------|-----------|
| +0 mins.     | 6         | 59        | 6         | 71        | <b>9</b> | <b>55</b> | <b>20</b> | <b>84</b> | <b>13</b> | 65        | 3        | <b>81</b> | 13        | <b>51</b> | 3        | 67        |
| +15 mins.    | 7         | 56        | <b>13</b> | <b>76</b> | 3        | 24        | 9         | 36        | 3         | <b>73</b> | 3        | 79        | 14        | 33        | <b>8</b> | 55        |
| +30 mins.    | 3         | <b>60</b> | 10        | 73        | 5        | 41        | 9         | 55        | 9         | 68        | <b>4</b> | 81        | 15        | 35        | 4        | 54        |
| +45 mins.    | <b>13</b> | 50        | 7         | 70        | 0        | 37        | 9         | 46        | 4         | 71        | 1        | 76        | <b>19</b> | 50        | 7        | <b>76</b> |
| Total Volume | 29        | 225       | 36        | 290       | 17       | 157       | 47        | 221       | 29        | 277       | 11       | 317       | 61        | 169       | 22       | 252       |
| % App. Total | 10        | 77.6      | 12.4      |           | 7.7      | 71        | 21.3      |           | 9.1       | 87.4      | 3.5      |           | 24.2      | 67.1      | 8.7      |           |
| PHF          | .558      | .938      | .692      | .954      | .472     | .714      | .588      | .658      | .558      | .949      | .688     | .978      | .803      | .828      | .688     | .829      |