

# WSB & Associates

701 Xenia Ave S  
Minneapolis, MN

Diamond Lk Rd & Brockton Ln  
6-9 am & 3-6 pm  
Rogers, MN  
sunny

File Name : brockton ln & diamond lk rd  
Site Code : 00000003  
Start Date : 5/16/2013  
Page No : 1

Groups Printed- Unshifted

| Start Time         | Brockton Ln<br>From North |             |            |            |             | Diamond Lk Rd<br>From East |             |             |            |            | Brockton Ln<br>From South |             |            |          |             | Diamond Lk Rd<br>From West |             |             |            |             | Int. Total  |
|--------------------|---------------------------|-------------|------------|------------|-------------|----------------------------|-------------|-------------|------------|------------|---------------------------|-------------|------------|----------|-------------|----------------------------|-------------|-------------|------------|-------------|-------------|
|                    | Right                     | Thru        | Left       | Peds       | App. Total  | Right                      | Thru        | Left        | Peds       | App. Total | Right                     | Thru        | Left       | Peds     | App. Total  | Right                      | Thru        | Left        | Peds       | App. Total  |             |
| 06:00 AM           | 1                         | 67          | 0          | 0          | 68          | 0                          | 6           | 6           | 0          | 12         | 1                         | 16          | 9          | 0        | 26          | 12                         | 3           | 0           | 0          | 15          | 121         |
| 06:15 AM           | 4                         | 100         | 0          | 0          | 104         | 0                          | 12          | 6           | 1          | 19         | 1                         | 14          | 7          | 0        | 22          | 14                         | 7           | 2           | 0          | 23          | 168         |
| 06:30 AM           | 14                        | 107         | 0          | 0          | 121         | 3                          | 14          | 8           | 0          | 25         | 3                         | 14          | 13         | 0        | 30          | 15                         | 7           | 2           | 0          | 24          | 200         |
| 06:45 AM           | 10                        | 101         | 3          | 0          | 114         | 0                          | 22          | 10          | 0          | 32         | 7                         | 18          | 26         | 0        | 51          | 16                         | 9           | 1           | 0          | 26          | 223         |
| <b>Total</b>       | <b>29</b>                 | <b>375</b>  | <b>3</b>   | <b>0</b>   | <b>407</b>  | <b>3</b>                   | <b>54</b>   | <b>30</b>   | <b>1</b>   | <b>88</b>  | <b>12</b>                 | <b>62</b>   | <b>55</b>  | <b>0</b> | <b>129</b>  | <b>57</b>                  | <b>26</b>   | <b>5</b>    | <b>0</b>   | <b>88</b>   | <b>712</b>  |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| 07:00 AM           | 4                         | 120         | 1          | 0          | 125         | 3                          | 21          | 5           | 0          | 29         | 3                         | 21          | 12         | 0        | 36          | 27                         | 8           | 4           | 0          | 39          | 229         |
| 07:15 AM           | 12                        | 145         | 1          | 0          | 158         | 0                          | 13          | 12          | 0          | 25         | 7                         | 26          | 6          | 0        | 39          | 22                         | 5           | 1           | 0          | 28          | 250         |
| 07:30 AM           | 2                         | 99          | 0          | 0          | 101         | 2                          | 20          | 6           | 0          | 28         | 9                         | 34          | 16         | 0        | 59          | 25                         | 6           | 1           | 0          | 32          | 220         |
| 07:45 AM           | 2                         | 77          | 2          | 0          | 81          | 3                          | 24          | 5           | 0          | 32         | 3                         | 28          | 19         | 0        | 50          | 16                         | 6           | 0           | 0          | 22          | 185         |
| <b>Total</b>       | <b>20</b>                 | <b>441</b>  | <b>4</b>   | <b>0</b>   | <b>465</b>  | <b>8</b>                   | <b>78</b>   | <b>28</b>   | <b>0</b>   | <b>114</b> | <b>22</b>                 | <b>109</b>  | <b>53</b>  | <b>0</b> | <b>184</b>  | <b>90</b>                  | <b>25</b>   | <b>6</b>    | <b>0</b>   | <b>121</b>  | <b>884</b>  |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| 08:00 AM           | 2                         | 93          | 1          | 0          | 96          | 0                          | 8           | 11          | 0          | 19         | 8                         | 21          | 10         | 0        | 39          | 24                         | 12          | 2           | 0          | 38          | 192         |
| 08:15 AM           | 4                         | 66          | 0          | 0          | 70          | 3                          | 9           | 9           | 0          | 21         | 8                         | 22          | 12         | 0        | 42          | 13                         | 6           | 2           | 0          | 21          | 154         |
| 08:30 AM           | 3                         | 48          | 0          | 0          | 51          | 2                          | 8           | 10          | 0          | 20         | 3                         | 24          | 4          | 0        | 31          | 13                         | 6           | 5           | 0          | 24          | 126         |
| 08:45 AM           | 2                         | 39          | 1          | 0          | 42          | 1                          | 7           | 7           | 0          | 15         | 3                         | 24          | 6          | 0        | 33          | 11                         | 5           | 5           | 0          | 21          | 111         |
| <b>Total</b>       | <b>11</b>                 | <b>246</b>  | <b>2</b>   | <b>0</b>   | <b>259</b>  | <b>6</b>                   | <b>32</b>   | <b>37</b>   | <b>0</b>   | <b>75</b>  | <b>22</b>                 | <b>91</b>   | <b>32</b>  | <b>0</b> | <b>145</b>  | <b>61</b>                  | <b>29</b>   | <b>14</b>   | <b>0</b>   | <b>104</b>  | <b>583</b>  |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| 03:00 PM           | 1                         | 26          | 0          | 0          | 27          | 0                          | 10          | 6           | 0          | 16         | 5                         | 80          | 26         | 1        | 112         | 14                         | 6           | 8           | 0          | 28          | 183         |
| 03:15 PM           | 4                         | 25          | 0          | 1          | 30          | 1                          | 8           | 5           | 0          | 14         | 13                        | 90          | 21         | 0        | 124         | 17                         | 11          | 6           | 0          | 34          | 202         |
| 03:30 PM           | 9                         | 34          | 3          | 0          | 46          | 2                          | 10          | 6           | 0          | 18         | 9                         | 126         | 26         | 0        | 161         | 47                         | 27          | 10          | 0          | 84          | 309         |
| 03:45 PM           | 5                         | 23          | 3          | 0          | 31          | 3                          | 10          | 9           | 0          | 22         | 10                        | 133         | 27         | 0        | 170         | 20                         | 13          | 7           | 0          | 40          | 263         |
| <b>Total</b>       | <b>19</b>                 | <b>108</b>  | <b>6</b>   | <b>1</b>   | <b>134</b>  | <b>6</b>                   | <b>38</b>   | <b>26</b>   | <b>0</b>   | <b>70</b>  | <b>37</b>                 | <b>429</b>  | <b>100</b> | <b>1</b> | <b>567</b>  | <b>98</b>                  | <b>57</b>   | <b>31</b>   | <b>0</b>   | <b>186</b>  | <b>957</b>  |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| 04:00 PM           | 2                         | 32          | 3          | 1          | 38          | 2                          | 7           | 9           | 0          | 18         | 11                        | 163         | 31         | 0        | 205         | 23                         | 24          | 3           | 0          | 50          | 311         |
| 04:15 PM           | 3                         | 25          | 2          | 0          | 30          | 1                          | 12          | 2           | 1          | 16         | 16                        | 185         | 31         | 0        | 232         | 14                         | 13          | 10          | 0          | 37          | 315         |
| 04:30 PM           | 1                         | 33          | 2          | 0          | 36          | 0                          | 10          | 11          | 0          | 21         | 13                        | 168         | 31         | 0        | 212         | 21                         | 21          | 3           | 0          | 45          | 314         |
| 04:45 PM           | 4                         | 21          | 1          | 0          | 26          | 2                          | 9           | 8           | 0          | 19         | 11                        | 185         | 39         | 0        | 235         | 22                         | 18          | 5           | 0          | 45          | 325         |
| <b>Total</b>       | <b>10</b>                 | <b>111</b>  | <b>8</b>   | <b>1</b>   | <b>130</b>  | <b>5</b>                   | <b>38</b>   | <b>30</b>   | <b>1</b>   | <b>74</b>  | <b>51</b>                 | <b>701</b>  | <b>132</b> | <b>0</b> | <b>884</b>  | <b>80</b>                  | <b>76</b>   | <b>21</b>   | <b>0</b>   | <b>177</b>  | <b>1265</b> |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| 05:00 PM           | 3                         | 31          | 1          | 0          | 35          | 1                          | 12          | 9           | 0          | 22         | 12                        | 171         | 30         | 0        | 213         | 22                         | 17          | 4           | 0          | 43          | 313         |
| 05:15 PM           | 4                         | 32          | 6          | 0          | 42          | 2                          | 14          | 8           | 0          | 24         | 15                        | 192         | 61         | 0        | 268         | 10                         | 8           | 8           | 0          | 26          | 360         |
| 05:30 PM           | 1                         | 24          | 0          | 0          | 25          | 7                          | 10          | 8           | 0          | 25         | 19                        | 163         | 32         | 0        | 214         | 23                         | 12          | 7           | 1          | 43          | 307         |
| 05:45 PM           | 2                         | 20          | 4          | 0          | 26          | 4                          | 8           | 8           | 0          | 20         | 15                        | 158         | 41         | 0        | 214         | 18                         | 11          | 6           | 0          | 35          | 295         |
| <b>Total</b>       | <b>10</b>                 | <b>107</b>  | <b>11</b>  | <b>0</b>   | <b>128</b>  | <b>14</b>                  | <b>44</b>   | <b>33</b>   | <b>0</b>   | <b>91</b>  | <b>61</b>                 | <b>684</b>  | <b>164</b> | <b>0</b> | <b>909</b>  | <b>73</b>                  | <b>48</b>   | <b>25</b>   | <b>1</b>   | <b>147</b>  | <b>1275</b> |
|                    |                           |             |            |            |             |                            |             |             |            |            |                           |             |            |          |             |                            |             |             |            |             |             |
| <b>Grand Total</b> | <b>99</b>                 | <b>1388</b> | <b>34</b>  | <b>2</b>   | <b>1523</b> | <b>42</b>                  | <b>284</b>  | <b>184</b>  | <b>2</b>   | <b>512</b> | <b>205</b>                | <b>2076</b> | <b>536</b> | <b>1</b> | <b>2818</b> | <b>459</b>                 | <b>261</b>  | <b>102</b>  | <b>1</b>   | <b>823</b>  | <b>5676</b> |
| <b>Apprch %</b>    | <b>6.5</b>                | <b>91.1</b> | <b>2.2</b> | <b>0.1</b> |             | <b>8.2</b>                 | <b>55.5</b> | <b>35.9</b> | <b>0.4</b> |            | <b>7.3</b>                | <b>73.7</b> | <b>19</b>  | <b>0</b> |             | <b>55.8</b>                | <b>31.7</b> | <b>12.4</b> | <b>0.1</b> |             |             |
| <b>Total %</b>     | <b>1.7</b>                | <b>24.5</b> | <b>0.6</b> | <b>0</b>   | <b>26.8</b> | <b>0.7</b>                 | <b>5</b>    | <b>3.2</b>  | <b>0</b>   | <b>9</b>   | <b>3.6</b>                | <b>36.6</b> | <b>9.4</b> | <b>0</b> | <b>49.6</b> | <b>8.1</b>                 | <b>4.6</b>  | <b>1.8</b>  | <b>0</b>   | <b>14.5</b> |             |

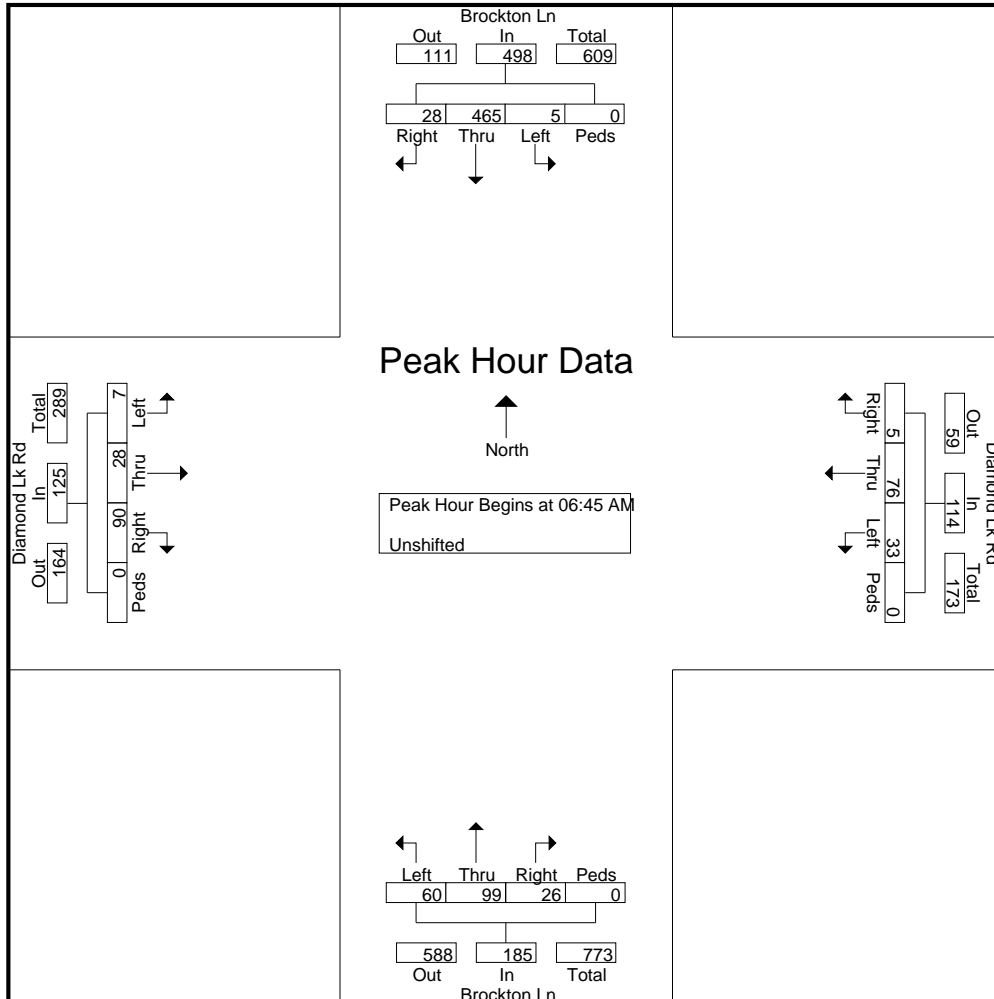
# WSB & Associates

701 Xenia Ave S  
Minneapolis, MN

Diamond Lk Rd & Brockton Ln  
6-9 am & 3-6 pm  
Rogers, MN  
sunny

File Name : brockton ln & diamond lk rd  
Site Code : 00000003  
Start Date : 5/16/2013  
Page No : 2

| Start Time   | Brockton Ln From North |      |      |      |            | Diamond Lk Rd From East |      |      |      |            | Brockton Ln From South |      |      |      |            | Diamond Lk Rd From West |      |      |      |            | Int. Total |
|--|------------------------|------|------|------|------------|-------------------------|------|------|------|------------|------------------------|------|------|------|------------|-------------------------|------|------|------|------------|------------|
|  | Right                  | Thru | Left | Peds | App. Total | Right                   | Thru | Left | Peds | App. Total | Right                  | Thru | Left | Peds | App. Total | Right                   | Thru | Left | Peds | App. Total |            |
| Peak Hour Analysis From 06:00 AM to 11:45 AM - Peak 1 of 1 |                        |      |      |      |            |                         |      |      |      |            |                        |      |      |      |            |                         |      |      |      |            |            |
| Peak Hour for Entire Intersection Begins at 06:45 AM       |                        |      |      |      |            |                         |      |      |      |            |                        |      |      |      |            |                         |      |      |      |            |            |
| 06:45 AM   | 10                     | 101  | 3    | 0    | 114        | 0                       | 22   | 10   | 0    | 32         | 7                      | 18   | 26   | 0    | 51         | 16                      | 9    | 1    | 0    | 26         | 223        |
| 07:00 AM   | 4                      | 120  | 1    | 0    | 125        | 3                       | 21   | 5    | 0    | 29         | 3                      | 21   | 12   | 0    | 36         | 27                      | 8    | 4    | 0    | 39         | 229        |
| 07:15 AM   | 12                     | 145  | 1    | 0    | 158        | 0                       | 13   | 12   | 0    | 25         | 7                      | 26   | 6    | 0    | 39         | 22                      | 5    | 1    | 0    | 28         | 250        |
| 07:30 AM   | 2                      | 99   | 0    | 0    | 101        | 2                       | 20   | 6    | 0    | 28         | 9                      | 34   | 16   | 0    | 59         | 25                      | 6    | 1    | 0    | 32         | 220        |
| Total Volume   | 28                     | 465  | 5    | 0    | 498        | 5                       | 76   | 33   | 0    | 114        | 26                     | 99   | 60   | 0    | 185        | 90                      | 28   | 7    | 0    | 125        | 922        |
| % App. Total   | 5.6                    | 93.4 | 1    | 0    |            | 4.4                     | 66.7 | 28.9 | 0    |            | 14.1                   | 53.5 | 32.4 | 0    |            | 72                      | 22.4 | 5.6  | 0    |            |            |
| PHF  | .583                   | .802 | .417 | .000 | .788       | .417                    | .864 | .688 | .000 | .891       | .722                   | .728 | .577 | .000 | .784       | .833                    | .778 | .438 | .000 | .801       | .922       |



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Diamond Lk Rd & Brockton Ln  
6-9 am & 3-6 pm  
Rogers, MN  
sunny

File Name : brockton ln & diamond lk rd  
Site Code : 00000003  
Start Date : 5/16/2013  
Page No : 3

| Start Time   | Brockton Ln From North |       |      |       |            | Diamond Lk Rd From East |       |      |       |            | Brockton Ln From South |       |      |      |            | Diamond Lk Rd From West |       |      |      |            | Int. Total |
|--|------------------------|-------|------|-------|------------|-------------------------|-------|------|-------|------------|------------------------|-------|------|------|------------|-------------------------|-------|------|------|------------|------------|
|  | Rig ht                 | Thr u | Left | Ped s | App. Total | Rig ht                  | Thr u | Left | Ped s | App. Total | Right                  | Thr u | Left | Peds | App. Total | Right                   | Thr u | Left | Peds | App. Total |            |
| Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1 |                        |       |      |       |            |                         |       |      |       |            |                        |       |      |      |            |                         |       |      |      |            |            |
| Peak Hour for Entire Intersection Begins at 04:30 PM       |                        |       |      |       |            |                         |       |      |       |            |                        |       |      |      |            |                         |       |      |      |            |            |
| 04:30 PM   | 1                      | 33    | 2    | 0     | 36         | 0                       | 10    | 11   | 0     | 21         | 13                     | 168   | 31   | 0    | 212        | 21                      | 21    | 3    | 0    | 45         | 314        |
| 04:45 PM   | 4                      | 21    | 1    | 0     | 26         | 2                       | 9     | 8    | 0     | 19         | 11                     | 185   | 39   | 0    | 235        | 22                      | 18    | 5    | 0    | 45         | 325        |
| 05:00 PM   | 3                      | 31    | 1    | 0     | 35         | 1                       | 12    | 9    | 0     | 22         | 12                     | 171   | 30   | 0    | 213        | 22                      | 17    | 4    | 0    | 43         | 313        |
| 05:15 PM   | 4                      | 32    | 6    | 0     | 42         | 2                       | 14    | 8    | 0     | 24         | 15                     | 192   | 61   | 0    | 268        | 10                      | 8     | 8    | 0    | 26         | 360        |
| Total Volume   | 12                     | 117   | 10   | 0     | 139        | 5                       | 45    | 36   | 0     | 86         | 51                     | 716   | 161  | 0    | 928        | 75                      | 64    | 20   | 0    | 159        | 1312       |
| % App. Total   | 8.6                    | 84.2  | 7.2  | 0     |            | 5.8                     | 52.3  | 41.9 | 0     |            | 5.5                    | 77.2  | 17.3 | 0    |            | 47.2                    | 40.3  | 12.6 | 0    |            |            |
| PHF  | .750                   | .886  | .417 | .000  | .827       | .625                    | .804  | .818 | .000  | .896       | .850                   | .932  | .660 | .000 | .866       | .852                    | .762  | .625 | .000 | .883       | .911       |

