Morton & Morton Design Services, PLLC
4700 Homewood CT, Suite 200
Raleigh, North Carolina 27609
Ph. (919) 882-6066

www.mortonmorton.com

Old US 70 (Garner Rd.) @ Shotwell Rd.
Clayton, NC
April 14, 2015 Counter: KM
Weather: Clear

File Name : Old US 70_Shotwell
Site Code : 04201502
Start Date : 4/14/2015
Page No : 1

**Groups Printed- All Traffic**

| | Shotwell Road Southbound | | | | | Old US 70 (Garner Road) Westbound | | | | | Shotwell Road Northbound | | | | | Old US 70 (Garner Road) Eastbound | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | Peds | App. Total | Left | Thru | Right | Peds | App. Total | Left | Thru | Right | Peds | App. Total | Left | Thru | Right | Peds | App. Total | Exclu. Total | Inclu. Total | Int. Total |
| 07:00 AM | 6 | 70 | 41 | 0 | 117 | 5 | 67 | 22 | 0 | 94 | 34 | 43 | 7 | 0 | 84 | 7 | 14 | 13 | 0 | 34 | 0 | 329 | 329 |
| 07:15 AM | 12 | 67 | 60 | 6 | 139 | 5 | 44 | 9 | 0 | 58 | 40 | 73 | 5 | 0 | 118 | 9 | 16 | 17 | 0 | 42 | 6 | 357 | 363 |
| 07:30 AM | 12 | 92 | 34 | 0 | 138 | 8 | 50 | 14 | 0 | 72 | 39 | 67 | 8 | 0 | 114 | 7 | 15 | 20 | 0 | 42 | 0 | 366 | 366 |
| 07:45 AM | 12 | 87 | 53 | 0 | 152 | 2 | 40 | 11 | 0 | 53 | 24 | 71 | 10 | 0 | 105 | 3 | 13 | 23 | 0 | 39 | 0 | 349 | 349 |
| Total | 42 | 316 | 188 | 6 | 546 | 20 | 201 | 56 | 0 | 277 | 137 | 254 | 30 | 0 | 421 | 26 | 58 | 73 | 0 | 157 | 6 | 1401 | 1407 |
| 08:00 AM | 8 | 60 | 49 | 0 | 117 | 3 | 28 | 13 | 0 | 44 | 17 | 34 | 15 | 0 | 66 | 5 | 6 | 22 | 0 | 33 | 0 | 260 | 260 |
| 08:15 AM | 7 | 75 | 23 | 0 | 105 | 7 | 31 | 8 | 0 | 46 | 19 | 47 | 4 | 0 | 70 | 3 | 12 | 16 | 0 | 31 | 0 | 252 | 252 |
| 08:30 AM | 8 | 69 | 15 | 0 | 92 | 5 | 20 | 12 | 0 | 37 | 15 | 46 | 3 | 0 | 64 | 3 | 18 | 11 | 0 | 32 | 0 | 225 | 225 |
| 08:45 AM | 12 | 71 | 19 | 0 | 102 | 6 | 24 | 6 | 0 | 36 | 17 | 44 | 7 | 0 | 68 | 5 | 22 | 9 | 0 | 36 | 0 | 242 | 242 |
| Total | 35 | 275 | 106 | 0 | 416 | 21 | 103 | 39 | 0 | 163 | 68 | 171 | 29 | 0 | 268 | 16 | 58 | 58 | 0 | 132 | 0 | 979 | 979 |
| *** BREAK *** | | | | | | | | | | | | | | | | | | | | | | | |
| 04:00 PM | 10 | 64 | 6 | 0 | 80 | 6 | 24 | 15 | 0 | 45 | 10 | 50 | 11 | 0 | 71 | 12 | 30 | 22 | 0 | 64 | 0 | 260 | 260 |
| 04:15 PM | 17 | 59 | 6 | 0 | 82 | 8 | 20 | 18 | 0 | 46 | 13 | 57 | 10 | 0 | 80 | 31 | 37 | 21 | 0 | 89 | 0 | 297 | 297 |
| 04:30 PM | 11 | 78 | 11 | 0 | 100 | 5 | 17 | 12 | 0 | 34 | 21 | 85 | 16 | 0 | 122 | 16 | 37 | 18 | 0 | 71 | 0 | 327 | 327 |
| 04:45 PM | 22 | 77 | 18 | 0 | 117 | 11 | 17 | 17 | 0 | 45 | 22 | 89 | 10 | 0 | 121 | 39 | 51 | 26 | 0 | 116 | 0 | 399 | 399 |
| Total | 60 | 278 | 41 | 0 | 379 | 30 | 78 | 62 | 0 | 170 | 66 | 281 | 47 | 0 | 394 | 98 | 155 | 87 | 0 | 340 | 0 | 1283 | 1283 |
| 05:00 PM | 28 | 83 | 8 | 0 | 119 | 7 | 19 | 12 | 0 | 38 | 23 | 98 | 17 | 0 | 138 | 38 | 57 | 16 | 0 | 111 | 0 | 406 | 406 |
| 05:15 PM | 26 | 94 | 7 | 0 | 127 | 6 | 21 | 23 | 0 | 50 | 11 | 99 | 17 | 0 | 127 | 41 | 60 | 29 | 1 | 130 | 1 | 434 | 435 |
| 05:30 PM | 32 | 90 | 19 | 0 | 141 | 2 | 12 | 14 | 1 | 28 | 12 | 91 | 24 | 0 | 127 | 31 | 66 | 32 | 0 | 129 | 1 | 425 | 426 |
| 05:45 PM | 30 | 83 | 5 | 0 | 118 | 4 | 23 | 14 | 0 | 41 | 18 | 80 | 7 | 0 | 105 | 25 | 75 | 34 | 0 | 134 | 0 | 398 | 398 |
| Total | 116 | 350 | 39 | 0 | 505 | 19 | 75 | 63 | 1 | 157 | 64 | 368 | 65 | 0 | 497 | 135 | 258 | 111 | 1 | 504 | 2 | 1663 | 1665 |
| Grand Total | 253 | 1219 | 374 | 6 | 1846 | 90 | 457 | 220 | 1 | 767 | 335 | 1074 | 171 | 0 | 1580 | 275 | 529 | 329 | 1 | 1133 | 8 | 5326 | 5334 |
| Apprch % | 13.7 | 66 | 20.3 | | | 11.7 | 59.6 | 28.7 | | | 21.2 | 68 | 10.8 | | | 24.3 | 46.7 | 29 | | | | | |
| Total % | 4.8 | 22.9 | 7 | | 34.7 | 1.7 | 8.6 | 4.1 | | 14.4 | 6.3 | 20.2 | 3.2 | | 29.7 | 5.2 | 9.9 | 6.2 | | 21.3 | 0.1 | 99.9 | |

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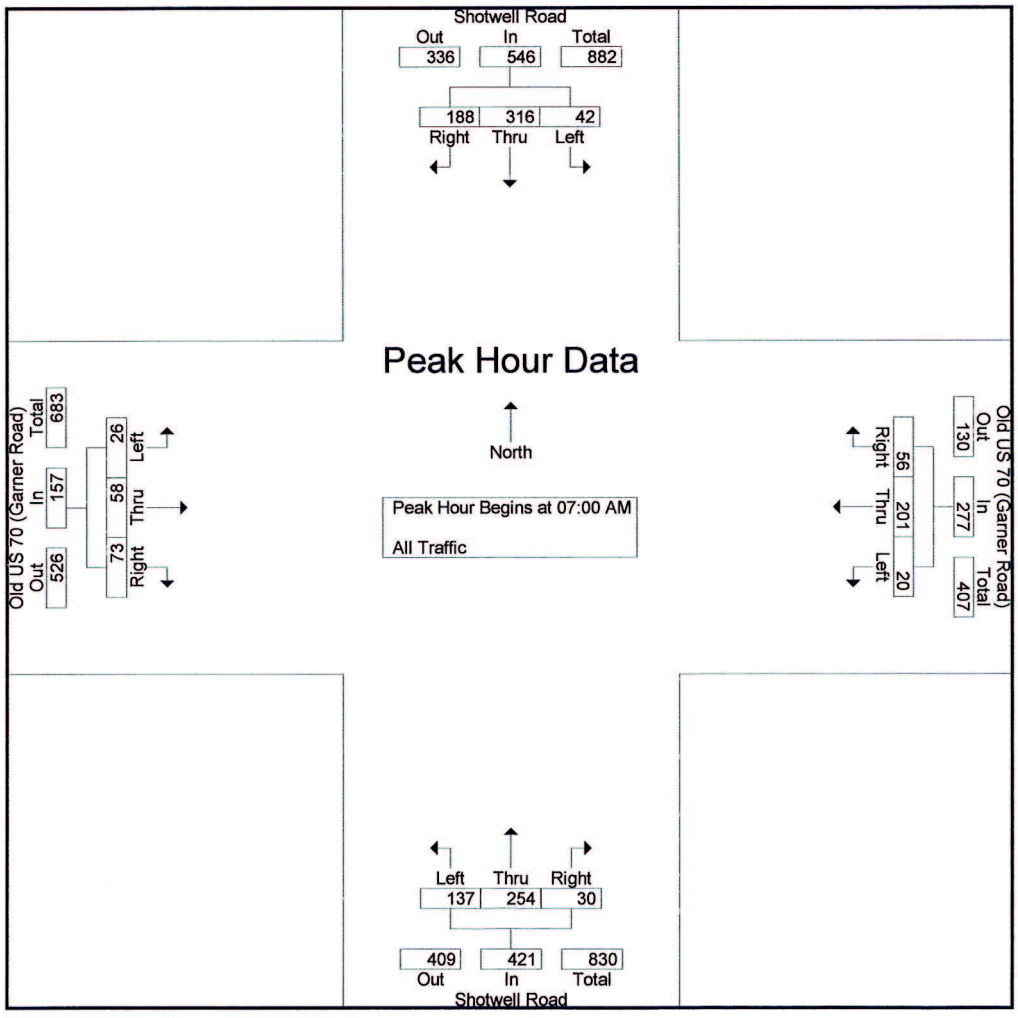
| | Shotwell Road Southbound | | | | Old US 70 (Garner Road) Westbound | | | | Shotwell Road Northbound | | | | Old US 70 (Garner Road) Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 07:00 AM to 11:45 AM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 07:00 AM | | | | | | | | | | | | | | | | | |
| 07:00 AM | 6 | 70 | 41 | 117 | 5 | 67 | 22 | 94 | 34 | 43 | 7 | 84 | 7 | 14 | 13 | 34 | 329 |
| 07:15 AM | 12 | 67 | 60 | 139 | 5 | 44 | 9 | 58 | 40 | 73 | 5 | 118 | 9 | 16 | 17 | 42 | 357 |
| 07:30 AM | 12 | 92 | 34 | 138 | 8 | 50 | 14 | 72 | 39 | 67 | 8 | 114 | 7 | 15 | 20 | 42 | 366 |
| 07:45 AM | 12 | 87 | 53 | 152 | 2 | 40 | 11 | 53 | 24 | 71 | 10 | 105 | 3 | 13 | 23 | 39 | 349 |
| Total Volume | 42 | 316 | 188 | 546 | 20 | 201 | 56 | 277 | 137 | 254 | 30 | 421 | 26 | 58 | 73 | 157 | 1401 |
| % App. Total | 7.7 | 57.9 | 34.4 | | 7.2 | 72.6 | 20.2 | | 32.5 | 60.3 | 7.1 | | 16.6 | 36.9 | 46.5 | | |
| PHF | .875 | .859 | .783 | .898 | .625 | .750 | .636 | .737 | .856 | .870 | .750 | .892 | .722 | .906 | .793 | .935 | .957 |



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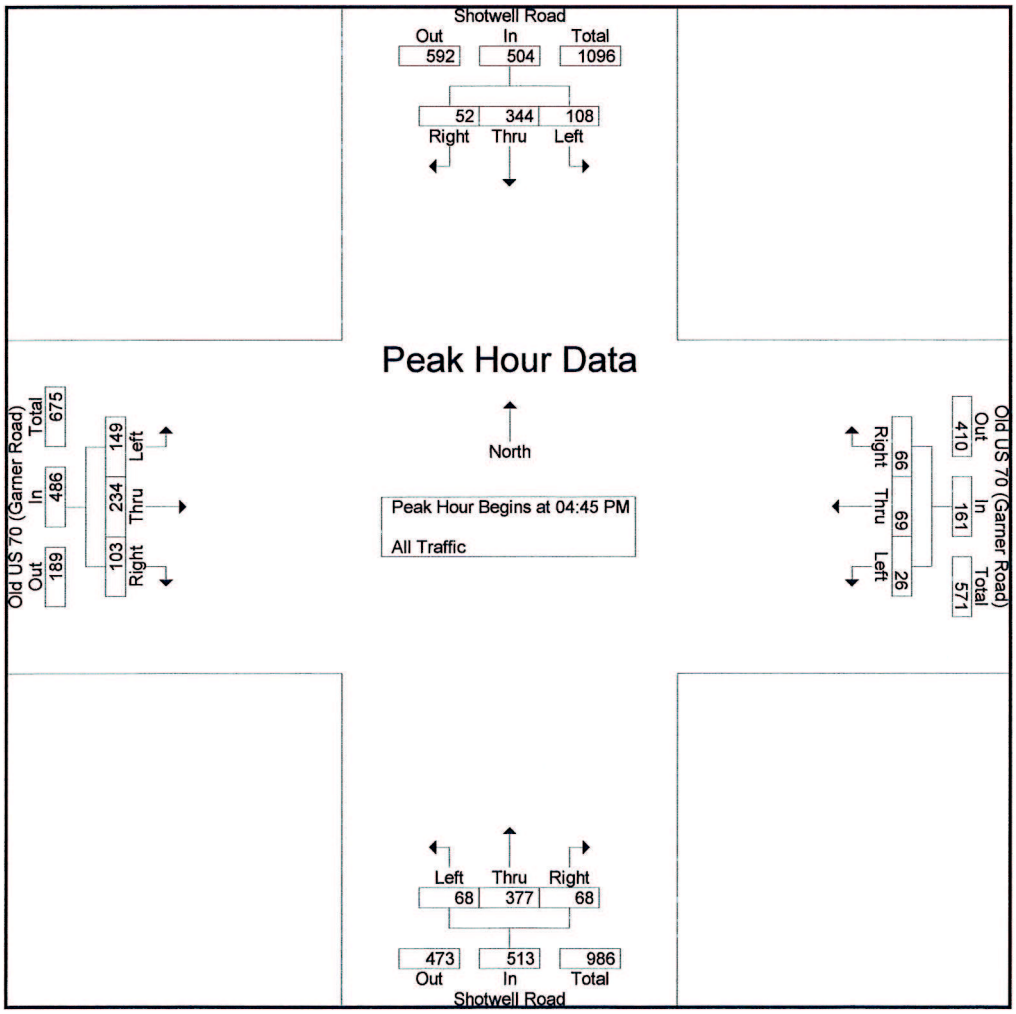
| | Shotwell Road Southbound | | | | Old US 70 (Garner Road) Westbound | | | | Shotwell Road Northbound | | | | Old US 70 (Garner Road) Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 05:45 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 04:45 PM | | | | | | | | | | | | | | | | | |
| 04:45 PM | 22 | 77 | 18 | 117 | 11 | 17 | 17 | 45 | 22 | 89 | 10 | 121 | 39 | 51 | 26 | 116 | 399 |
| 05:00 PM | 28 | 83 | 8 | 119 | 7 | 19 | 12 | 38 | 23 | 98 | 17 | 138 | 38 | 57 | 16 | 111 | 406 |
| 05:15 PM | 26 | 94 | 7 | 127 | 6 | 21 | 23 | 50 | 11 | 99 | 17 | 127 | 41 | 60 | 29 | 130 | 434 |
| 05:30 PM | 32 | 90 | 19 | 141 | 2 | 12 | 14 | 28 | 12 | 91 | 24 | 127 | 31 | 66 | 32 | 129 | 425 |
| Total Volume | 108 | 344 | 52 | 504 | 26 | 69 | 66 | 161 | 68 | 377 | 68 | 513 | 149 | 234 | 103 | 486 | 1664 |
| % App. Total | 21.4 | 68.3 | 10.3 | | 16.1 | 42.9 | 41 | | 13.3 | 73.5 | 13.3 | | 30.7 | 48.1 | 21.2 | | |
| PHF | .844 | .915 | .684 | .894 | .591 | .821 | .717 | .805 | .739 | .952 | .708 | .929 | .909 | .886 | .805 | .935 | .959 |