RAMEY KEMP & ASSOCIATES
TRANSPORTATION ENGINEERS
5808 Faringdon Place, Suite 100
Raleigh, NC 27609
PH: 919 872-5115

File Name : new bern ave and old milburnie road
Site Code : 00041614
Start Date : 4/16/2014
Page No : 1

Groups Printed- Vehicles

| | Old Milburnie Road Southbound | | | | New Bern Avenue Westbound | | | | Existing Driveway Northbound | | | | New Bern Avenue Eastbound | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Exclu Total | Inclu Total | Int. Total |
| 07:00 AM | 50 | 0 | 2 | 0 | 4 | 276 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 93 | 10 | 3 | 4 | 435 | 439 |
| 07:15 AM | 35 | 0 | 13 | 0 | 6 | 282 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 124 | 12 | 7 | 9 | 474 | 483 |
| 07:30 AM | 51 | 0 | 7 | 0 | 3 | 403 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 164 | 13 | 3 | 5 | 641 | 646 |
| 07:45 AM | 55 | 0 | 10 | 0 | 4 | 534 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 181 | 16 | 7 | 12 | 800 | 812 |
| Total | 191 | 0 | 32 | 0 | 17 | 1495 | 0 | 10 | 0 | 0 | 0 | 0 | 2 | 562 | 51 | 20 | 30 | 2350 | 2380 |
| 08:00 AM | 46 | 0 | 6 | 0 | 6 | 382 | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 132 | 15 | 3 | 6 | 589 | 595 |
| 08:15 AM | 29 | 0 | 5 | 0 | 5 | 366 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 124 | 14 | 4 | 7 | 543 | 550 |
| 08:30 AM | 30 | 0 | 5 | 0 | 5 | 256 | 0 | 5 | 1 | 0 | 0 | 0 | 4 | 108 | 17 | 4 | 9 | 426 | 435 |
| 08:45 AM | 38 | 1 | 4 | 0 | 2 | 225 | 0 | 4 | 0 | 0 | 0 | 0 | 2 | 178 | 12 | 6 | 10 | 462 | 472 |
| Total | 143 | 1 | 20 | 0 | 18 | 1229 | 0 | 15 | 1 | 0 | 0 | 0 | 8 | 542 | 58 | 17 | 32 | 2020 | 2052 |
| ** BREAK** | | | | | | | | | | | | | | | | | | | |
| 02:00 PM | 17 | 0 | 2 | 0 | 4 | 198 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 183 | 19 | 1 | 6 | 424 | 430 |
| 02:15 PM | 11 | 0 | 10 | 1 | 13 | 225 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 180 | 19 | 0 | 2 | 458 | 460 |
| 02:30 PM | 20 | 0 | 5 | 0 | 3 | 201 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 258 | 27 | 2 | 12 | 524 | 536 |
| 02:45 PM | 18 | 0 | 3 | 0 | 9 | 205 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 238 | 28 | 3 | 4 | 503 | 507 |
| Total | 66 | 0 | 20 | 1 | 29 | 829 | 0 | 17 | 0 | 0 | 1 | 0 | 12 | 859 | 93 | 6 | 24 | 1909 | 1933 |
| 03:00 PM | 22 | 0 | 9 | 0 | 11 | 228 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 279 | 28 | 2 | 5 | 578 | 583 |
| 03:15 PM | 30 | 0 | 10 | 0 | 10 | 220 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 277 | 31 | 0 | 1 | 579 | 580 |
| 03:30 PM | 18 | 0 | 8 | 0 | 9 | 217 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 280 | 42 | 5 | 11 | 574 | 585 |
| 03:45 PM | 18 | 0 | 10 | 0 | 6 | 215 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 239 | 30 | 0 | 0 | 522 | 522 |
| Total | 88 | 0 | 37 | 0 | 36 | 880 | 0 | 10 | 2 | 0 | 4 | 0 | 0 | 1075 | 131 | 7 | 17 | 2253 | 2270 |
| 04:00 PM | 18 | 0 | 11 | 0 | 16 | 235 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 316 | 39 | 2 | 3 | 635 | 638 |
| 04:15 PM | 15 | 0 | 1 | 0 | 6 | 227 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 341 | 49 | 2 | 5 | 639 | 644 |
| Grand Total | 521 | 1 | 121 | 1 | 122 | 4895 | 0 | 56 | 3 | 0 | 5 | 0 | 22 | 3695 | 421 | 54 | 111 | 9806 | 9917 |
| Apprch % | 81 | 0.2 | 18.8 | | 2.4 | 97.6 | 0 | | 37.5 | 0 | 62.5 | | 0.5 | 89.3 | 10.2 | | | | |
| Total % | 5.3 | 0 | 1.2 | | 1.2 | 49.9 | 0 | | 0 | 0 | 0.1 | | 0.2 | 37.7 | 4.3 | | 1.1 | 98.9 | |

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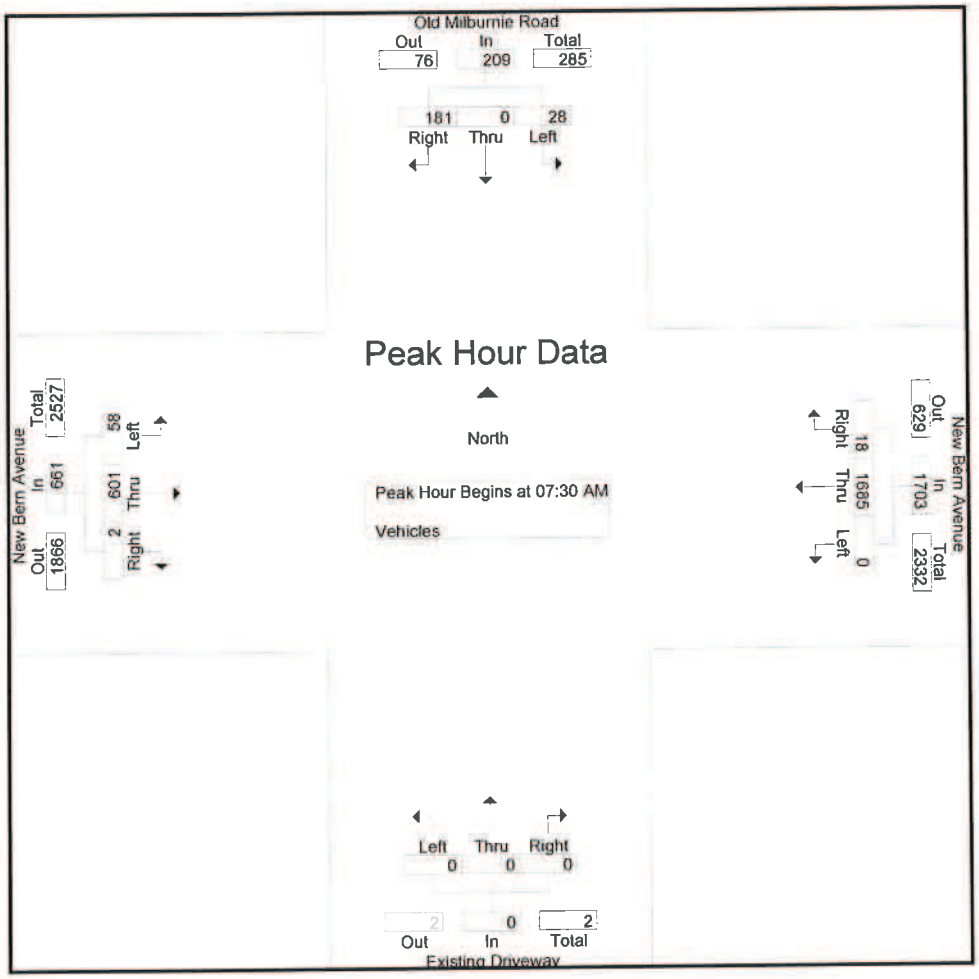
| | Old Milburnie Road Southbound | | | | New Bern Avenue Westbound | | | | Existing Driveway Northbound | | | | New Bern Avenue Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Right | Thru | Left | App Total | Right | Thru | Left | App Total | Right | Thru | Left | App Total | Right | Thru | Left | 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 07:30 AM | | | | | | | | | | | | | | | | | |
| 07:30 AM | 51 | 0 | 7 | 58 | 3 | 403 | 0 | 406 | 0 | 0 | 0 | 0 | 0 | 164 | 13 | 177 | 641 |
| 07:45 AM | **55** | 0 | **10** | **65** | 4 | **534** | 0 | **538** | 0 | 0 | 0 | 0 | 0 | **181** | **16** | **197** | **800** |
| 08:00 AM | 46 | 0 | 6 | 52 | **6** | 382 | 0 | 388 | 0 | 0 | 0 | 0 | **2** | 132 | 15 | 149 | 589 |
| 08:15 AM | 29 | 0 | 5 | 34 | 5 | 366 | 0 | 371 | 0 | 0 | 0 | 0 | 0 | 124 | 14 | 138 | 543 |
| Total Volume | 181 | 0 | 28 | 209 | 18 | 1685 | 0 | 1703 | 0 | 0 | 0 | 0 | 2 | 601 | 58 | 661 | 2573 |
| % App. Total | 86.6 | 0 | 13.4 | | 1.1 | 98.9 | 0 | | 0 | 0 | 0 | | 0.3 | 90.9 | 8.8 | | |
| PHF | .823 | .000 | .700 | .804 | .750 | .789 | .000 | .791 | .000 | .000 | .000 | .000 | .250 | .830 | .906 | .839 | .804 |



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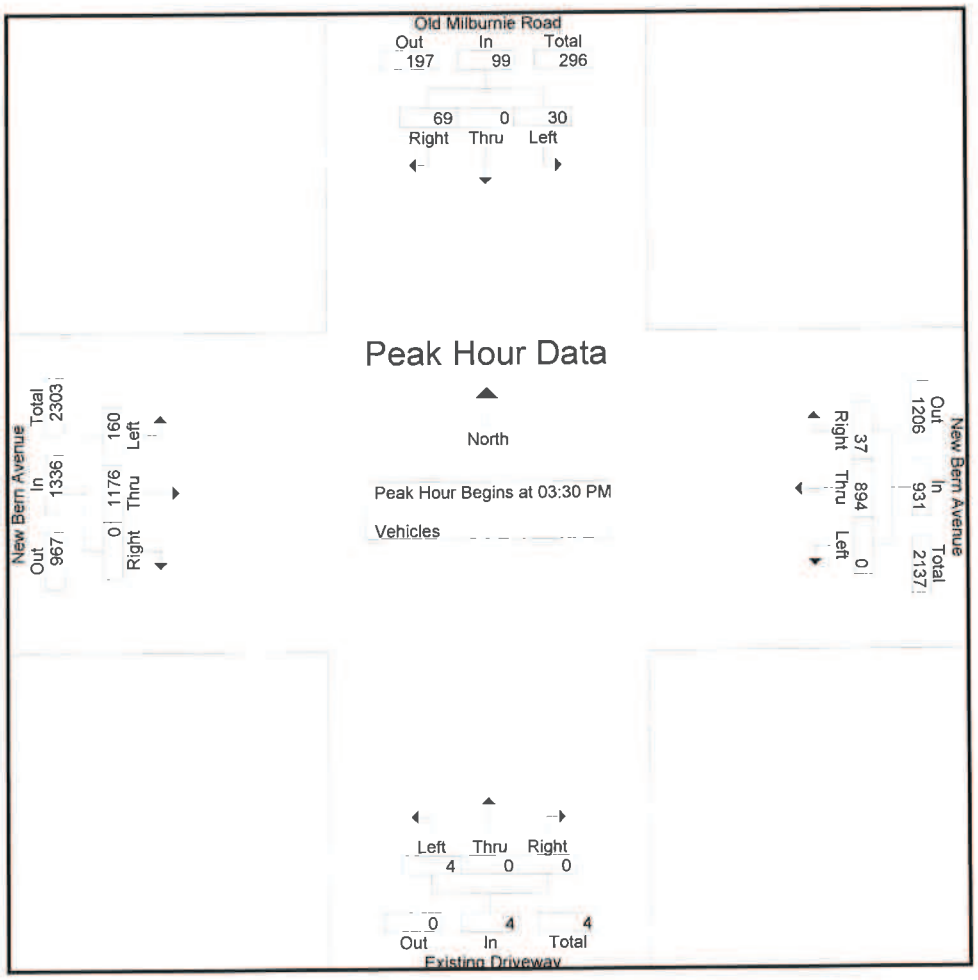
| | Old Milburnie Road Southbound | | | | New Bern Avenue Westbound | | | | Existing Driveway Northbound | | | | New Bern Avenue Eastbound | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Right | Thru | Left | App. Total | Right | Thru | Left | App. Total | Right | Thru | Left | App. Total | Right | Thru | Left | App. Total | Int. Total |
| Peak Hour Analysis From 12:00 PM to 04:15 PM - Peak 1 of 1 | | | | | | | | | | | | | | | | | |
| Peak Hour for Entire Intersection Begins at 03:30 PM | | | | | | | | | | | | | | | | | |
| 03:30 PM | **18** | 0 | 8 | 26 | 9 | 217 | 0 | 226 | 0 | 0 | 0 | 0 | 0 | 280 | 42 | 322 | 574 |
| 03:45 PM | 18 | 0 | 10 | 28 | 6 | 215 | 0 | 221 | 0 | 0 | **4** | **4** | 0 | 239 | 30 | 269 | 522 |
| 04:00 PM | 18 | 0 | **11** | **29** | **16** | **235** | 0 | **251** | 0 | 0 | 0 | 0 | 0 | 316 | 39 | 355 | 635 |
| 04:15 PM | 15 | 0 | 1 | 16 | 6 | 227 | 0 | 233 | 0 | 0 | 0 | 0 | 0 | **341** | **49** | **390** | **639** |
| Total Volume | 69 | 0 | 30 | 99 | 37 | 894 | 0 | 931 | 0 | 0 | 4 | 4 | 0 | 1176 | 160 | 1336 | 2370 |
| % App. Total | 69.7 | 0 | 30.3 | | 4 | 96 | 0 | | 0 | 0 | 100 | | 0 | 88 | 12 | | |
| PHF | .958 | .000 | .682 | .853 | .578 | .951 | .000 | .927 | .000 | .000 | .250 | .250 | .000 | .862 | .816 | .856 | .927 |



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Groups Printed- Uturns

| | Old Milburnie Road Southbound | | | | New Bern Avenue Westbound | | | | Existing Driveway Northbound | | | | New Bern Avenue Eastbound | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Start Time | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Right | Thru | Left | Trks | Exclu Total | Inclu Total | Int Total |
| 07:00 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 07:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 07:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 |
| 07:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 6 | 6 |
| ** BREAK** | | | | | | | | | | | | | | | | | | | |
| 08:15 AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 3 |
| 08:30 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 2 |
| 08:45 AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 9 | 9 |
| ** BREAK** | | | | | | | | | | | | | | | | | | | |
| 02:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 3 |
| 02:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 6 | 6 |
| 02:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 4 | 4 |
| 02:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 5 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 0 | 18 | 18 |
| 03:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 6 | 6 |
| 03:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 7 |
| 03:30 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 8 | 8 |
| 03:45 PM | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 6 | 6 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 27 | 27 |
| 04:00 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 |
| 04:15 PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 4 | 4 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 0 | 68 | 68 |
| Apprch % | 0 | 0 | 0 | | 0 | 0 | 100 | | 0 | 0 | 0 | | 0 | 0 | 100 | | | | |
| Total % | 0 | 0 | 0 | | 0 | 0 | 16.2 | | 0 | 0 | 0 | | 0 | 0 | 83.8 | | 0 | 100 | |

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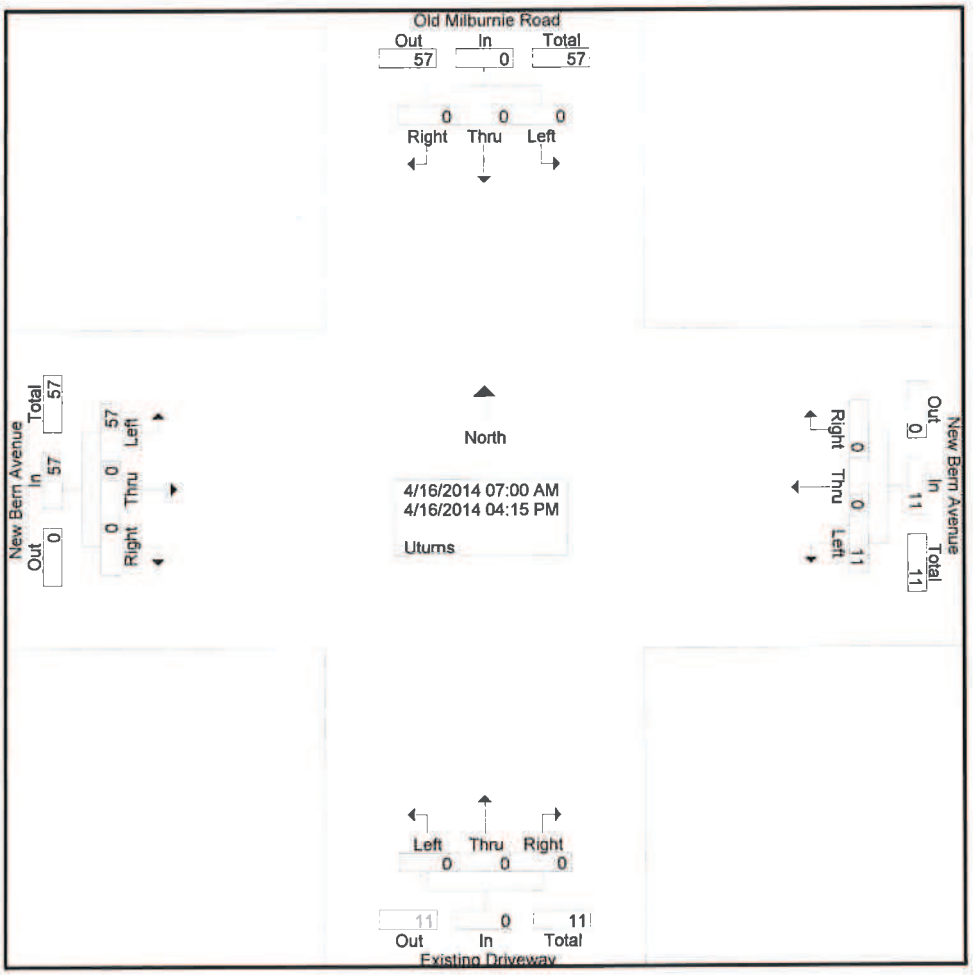
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