

**TRACY HILLS SPECIFIC PLAN
DRAFT SUBSEQUENT ENVIRONMENTAL IMPACT REPORT
VOLUME II
DECEMBER 2014**

**APPENDIX H-1b
EXISTING COUNTS – LIVERMORE, DATED FALL 2014**

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-001 Greenville Road-Patterson Pass Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total | Uturn Total |
|-------------|----------------------------|-------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 2 | 111 | 19 | 0 | 132 | 39 | 111 | 20 | 0 | 170 | 8 | 20 | 1 | 0 | 29 | 2 | 0 | 17 | 0 | 19 | 350 | 0 |
| 07:15 | 6 | 117 | 34 | 0 | 157 | 46 | 106 | 19 | 0 | 171 | 6 | 19 | 2 | 0 | 27 | 3 | 1 | 13 | 0 | 17 | 372 | 0 |
| 07:30 | 1 | 110 | 31 | 0 | 142 | 33 | 93 | 11 | 0 | 137 | 8 | 25 | 0 | 0 | 33 | 5 | 3 | 19 | 0 | 27 | 339 | 0 |
| 07:45 | 3 | 131 | 23 | 0 | 157 | 27 | 42 | 8 | 0 | 77 | 7 | 17 | 1 | 0 | 25 | 2 | 2 | 14 | 0 | 18 | 277 | 0 |
| Total | 12 | 469 | 107 | 0 | 588 | 145 | 352 | 58 | 0 | 555 | 29 | 81 | 4 | 0 | 114 | 12 | 6 | 63 | 0 | 81 | 1338 | 0 |
| 08:00 | 4 | 144 | 22 | 0 | 170 | 17 | 55 | 5 | 0 | 77 | 6 | 21 | 2 | 0 | 29 | 2 | 0 | 19 | 0 | 21 | 297 | 0 |
| 08:15 | 1 | 90 | 8 | 0 | 99 | 10 | 19 | 3 | 0 | 32 | 3 | 15 | 1 | 0 | 19 | 3 | 1 | 16 | 0 | 20 | 170 | 0 |
| 08:30 | 0 | 86 | 8 | 0 | 94 | 13 | 22 | 7 | 0 | 42 | 5 | 22 | 2 | 0 | 29 | 2 | 2 | 20 | 0 | 24 | 189 | 0 |
| 08:45 | 3 | 88 | 12 | 0 | 103 | 8 | 20 | 3 | 0 | 31 | 6 | 13 | 2 | 0 | 21 | 6 | 0 | 15 | 0 | 21 | 176 | 0 |
| Total | 8 | 408 | 50 | 0 | 466 | 48 | 116 | 18 | 0 | 182 | 20 | 71 | 7 | 0 | 98 | 13 | 3 | 70 | 0 | 86 | 832 | 0 |
| 16:00 | 28 | 18 | 5 | 0 | 51 | 0 | 2 | 3 | 0 | 5 | 10 | 109 | 24 | 0 | 143 | 15 | 50 | 9 | 0 | 74 | 273 | 0 |
| 16:15 | 29 | 27 | 11 | 0 | 67 | 2 | 2 | 0 | 0 | 4 | 13 | 111 | 36 | 0 | 160 | 23 | 43 | 11 | 0 | 77 | 308 | 0 |
| 16:30 | 30 | 23 | 5 | 0 | 58 | 1 | 1 | 5 | 0 | 7 | 15 | 146 | 44 | 0 | 205 | 12 | 58 | 9 | 0 | 79 | 349 | 0 |
| 16:45 | 34 | 13 | 4 | 0 | 51 | 0 | 4 | 1 | 0 | 5 | 11 | 128 | 41 | 0 | 180 | 17 | 60 | 6 | 0 | 83 | 319 | 0 |
| Total | 121 | 81 | 25 | 0 | 227 | 3 | 9 | 9 | 0 | 21 | 49 | 494 | 145 | 0 | 688 | 67 | 211 | 35 | 0 | 313 | 1249 | 0 |
| 17:00 | 33 | 28 | 3 | 0 | 64 | 1 | 7 | 4 | 0 | 12 | 11 | 124 | 51 | 0 | 186 | 17 | 56 | 7 | 0 | 80 | 342 | 0 |
| 17:15 | 35 | 18 | 4 | 0 | 57 | 2 | 0 | 1 | 0 | 3 | 17 | 94 | 27 | 0 | 138 | 18 | 70 | 7 | 0 | 95 | 293 | 0 |
| 17:30 | 32 | 18 | 4 | 0 | 54 | 1 | 3 | 2 | 0 | 6 | 6 | 108 | 33 | 0 | 147 | 14 | 53 | 10 | 0 | 77 | 284 | 0 |
| 17:45 | 18 | 17 | 6 | 0 | 41 | 1 | 3 | 6 | 0 | 10 | 10 | 87 | 23 | 0 | 120 | 8 | 36 | 7 | 0 | 51 | 222 | 0 |
| Total | 118 | 81 | 17 | 0 | 216 | 5 | 13 | 13 | 0 | 31 | 44 | 413 | 134 | 0 | 591 | 57 | 215 | 31 | 0 | 303 | 1141 | 0 |
| Grand Total | 259 | 1039 | 199 | 0 | 1497 | 201 | 490 | 98 | 0 | 789 | 142 | 1059 | 290 | 0 | 1491 | 149 | 435 | 199 | 0 | 783 | 4560 | 0 |
| Apprch % | 17.3% | 69.4% | 13.3% | 0.0% | | 25.5% | 62.1% | 12.4% | 0.0% | | 9.5% | 71.0% | 19.5% | 0.0% | | 19.0% | 55.6% | 25.4% | 0.0% | | | |
| Total % | 5.7% | 22.8% | 4.4% | 0.0% | 32.8% | 4.4% | 10.7% | 2.1% | 0.0% | 17.3% | 3.1% | 23.2% | 6.4% | 0.0% | 32.7% | 3.3% | 9.5% | 4.4% | 0.0% | 17.2% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-001 Greenville Road-Patterson Pass Road.ppd
 Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total |
|---|----------------------------|-------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|-------------------------------|------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 2 | 111 | 19 | 0 | 132 | 39 | 111 | 20 | 0 | 170 | 8 | 20 | 1 | 0 | 29 | 2 | 0 | 17 | 0 | 19 | 350 |
| 07:15 | 6 | 117 | 34 | 0 | 157 | 46 | 106 | 19 | 0 | 171 | 6 | 19 | 2 | 0 | 27 | 3 | 1 | 13 | 0 | 17 | 372 |
| 07:30 | 1 | 110 | 31 | 0 | 142 | 33 | 93 | 11 | 0 | 137 | 8 | 25 | 0 | 0 | 33 | 5 | 3 | 19 | 0 | 27 | 339 |
| 07:45 | 3 | 131 | 23 | 0 | 157 | 27 | 42 | 8 | 0 | 77 | 7 | 17 | 1 | 0 | 25 | 2 | 2 | 14 | 0 | 18 | 277 |
| Total Volume | 12 | 469 | 107 | 0 | 588 | 145 | 352 | 58 | 0 | 555 | 29 | 81 | 4 | 0 | 114 | 12 | 6 | 63 | 0 | 81 | 1338 |
| % App Total | 2.0% | 79.8% | 18.2% | 0.0% | | 26.1% | 63.4% | 10.5% | 0.0% | | 25.4% | 71.1% | 3.5% | 0.0% | | 14.8% | 7.4% | 77.8% | 0.0% | | |
| PHF | .500 | .895 | .787 | .000 | .936 | .788 | .793 | .725 | .000 | .811 | .906 | .810 | .500 | .000 | .864 | .600 | .500 | .829 | .000 | .750 | .899 |

| PM PEAK HOUR | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total |
|---|----------------------------|-------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 29 | 27 | 11 | 0 | 67 | 2 | 2 | 0 | 0 | 4 | 13 | 111 | 36 | 0 | 160 | 23 | 43 | 11 | 0 | 77 | 308 |
| 16:30 | 30 | 23 | 5 | 0 | 58 | 1 | 1 | 5 | 0 | 7 | 15 | 146 | 44 | 0 | 205 | 12 | 58 | 9 | 0 | 79 | 349 |
| 16:45 | 34 | 13 | 4 | 0 | 51 | 0 | 4 | 1 | 0 | 5 | 11 | 128 | 41 | 0 | 180 | 17 | 60 | 6 | 0 | 83 | 319 |
| 17:00 | 33 | 28 | 3 | 0 | 64 | 1 | 7 | 4 | 0 | 12 | 11 | 124 | 51 | 0 | 186 | 17 | 56 | 7 | 0 | 80 | 342 |
| Total Volume | 126 | 91 | 23 | 0 | 240 | 4 | 14 | 10 | 0 | 28 | 50 | 509 | 172 | 0 | 731 | 69 | 217 | 33 | 0 | 319 | 1318 |
| % App Total | 52.5% | 37.9% | 9.6% | 0.0% | | 14.3% | 50.0% | 35.7% | 0.0% | | 6.8% | 69.6% | 23.5% | 0.0% | | 21.6% | 68.0% | 10.3% | 0.0% | | |
| PHF | .926 | .813 | .523 | .000 | .896 | .500 | .500 | .500 | .000 | .583 | .833 | .872 | .843 | .000 | .891 | .750 | .904 | .750 | .000 | .961 | .944 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-001 Greenville Road-Patterson Pass Road.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| START TIME | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total | Ped Total |
|--------------------|----------------------------|----------|----------|----------|-----------|-------------------------------|----------|----------|----------|-----------|----------------------------|----------|----------|----------|-----------|-------------------------------|----------|----------|----------|-----------|-----------|-----------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Total | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 3 | 0 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 3 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:15 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 |
| 17:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 4 | 0 |
| Grand Total | 0 | 4 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 4 | 0 | 1 | 3 | 0 | 4 | 13 | 0 |
| Apprch % | 0.0% | 100.0% | 0.0% | | | 100.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 25.0% | 75.0% | | | | |
| Total % | 0.0% | 30.8% | 0.0% | | 30.8% | 7.7% | 0.0% | 0.0% | | 7.7% | 0.0% | 30.8% | 0.0% | | 30.8% | 0.0% | 7.7% | 23.1% | | 30.8% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-001 Greenville Road-Patterson Pass Road.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total |
|---|----------------------------|--------|-------|------|-----------|-------------------------------|------|-------|------|-----------|----------------------------|------|-------|------|-----------|-------------------------------|------|--------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Total Volume | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |
| % App Total | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | |
| PHF | .000 | .250 | .000 | | .250 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .250 | | .250 | .375 |

| PM PEAK HOUR | Greenville Road Southbound | | | | | Patterson Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Patterson Pass Road Eastbound | | | | | Total |
|---|----------------------------|------|-------|------|-----------|-------------------------------|------|-------|------|-----------|----------------------------|--------|-------|------|-----------|-------------------------------|------|--------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 1 | 4 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .750 | .000 | | .750 | .000 | .000 | .250 | | .250 | 1.000 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-002 Greenville Road-Tesla Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Greenville Road Southbound | | | | | Tesla Road Westbound | | | | | Greenville Road Northbound | | | | | Tesla Road Eastbound | | | | | Total | Uturn Total |
|-------------|----------------------------|------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 1 | 9 | 40 | 0 | 50 | 1 | 169 | 16 | 0 | 186 | 2 | 2 | 2 | 0 | 6 | 26 | 5 | 12 | 0 | 43 | 285 | 0 |
| 07:15 | 2 | 8 | 39 | 0 | 49 | 0 | 130 | 14 | 0 | 144 | 4 | 1 | 1 | 0 | 6 | 24 | 8 | 12 | 0 | 44 | 243 | 0 |
| 07:30 | 4 | 4 | 34 | 0 | 42 | 0 | 131 | 18 | 0 | 149 | 1 | 2 | 0 | 0 | 3 | 35 | 3 | 9 | 0 | 47 | 241 | 0 |
| 07:45 | 7 | 5 | 39 | 0 | 51 | 0 | 119 | 12 | 0 | 131 | 1 | 0 | 1 | 0 | 2 | 43 | 8 | 6 | 0 | 57 | 241 | 0 |
| Total | 14 | 26 | 152 | 0 | 192 | 1 | 549 | 60 | 0 | 610 | 8 | 5 | 4 | 0 | 17 | 128 | 24 | 39 | 0 | 191 | 1010 | 0 |
| 08:00 | 4 | 5 | 34 | 0 | 43 | 0 | 80 | 15 | 0 | 95 | 4 | 1 | 0 | 0 | 5 | 31 | 10 | 5 | 0 | 46 | 189 | 0 |
| 08:15 | 6 | 4 | 31 | 0 | 41 | 0 | 52 | 12 | 0 | 64 | 1 | 2 | 0 | 0 | 3 | 40 | 4 | 2 | 0 | 46 | 154 | 0 |
| 08:30 | 4 | 3 | 29 | 0 | 36 | 0 | 43 | 6 | 0 | 49 | 16 | 3 | 0 | 0 | 19 | 23 | 5 | 5 | 0 | 33 | 137 | 0 |
| 08:45 | 10 | 2 | 27 | 0 | 39 | 1 | 52 | 6 | 0 | 59 | 2 | 2 | 0 | 0 | 4 | 23 | 11 | 8 | 0 | 42 | 144 | 0 |
| Total | 24 | 14 | 121 | 0 | 159 | 1 | 227 | 39 | 0 | 267 | 23 | 8 | 0 | 0 | 31 | 117 | 30 | 20 | 0 | 167 | 624 | 0 |
| 16:00 | 14 | 7 | 21 | 0 | 42 | 0 | 11 | 11 | 0 | 22 | 4 | 1 | 0 | 0 | 5 | 52 | 129 | 6 | 0 | 187 | 256 | 0 |
| 16:15 | 16 | 2 | 30 | 0 | 48 | 0 | 11 | 2 | 0 | 13 | 7 | 6 | 2 | 0 | 15 | 48 | 136 | 9 | 0 | 193 | 269 | 0 |
| 16:30 | 26 | 7 | 25 | 0 | 58 | 1 | 11 | 1 | 0 | 13 | 2 | 4 | 2 | 0 | 8 | 37 | 137 | 7 | 0 | 181 | 260 | 0 |
| 16:45 | 13 | 6 | 28 | 0 | 47 | 0 | 6 | 6 | 0 | 12 | 6 | 3 | 0 | 0 | 9 | 38 | 137 | 7 | 0 | 182 | 250 | 0 |
| Total | 69 | 22 | 104 | 0 | 195 | 1 | 39 | 20 | 0 | 60 | 19 | 14 | 4 | 0 | 37 | 175 | 539 | 29 | 0 | 743 | 1035 | 0 |
| 17:00 | 17 | 4 | 39 | 0 | 60 | 1 | 13 | 2 | 0 | 16 | 3 | 3 | 1 | 0 | 7 | 31 | 143 | 3 | 0 | 177 | 260 | 0 |
| 17:15 | 20 | 0 | 42 | 0 | 62 | 1 | 14 | 2 | 0 | 17 | 9 | 3 | 0 | 0 | 12 | 29 | 146 | 2 | 0 | 177 | 268 | 0 |
| 17:30 | 15 | 2 | 28 | 0 | 45 | 0 | 12 | 4 | 0 | 16 | 3 | 4 | 0 | 0 | 7 | 41 | 141 | 6 | 0 | 188 | 256 | 0 |
| 17:45 | 13 | 3 | 30 | 0 | 46 | 1 | 16 | 4 | 0 | 21 | 6 | 4 | 1 | 0 | 11 | 25 | 123 | 9 | 0 | 157 | 235 | 0 |
| Total | 65 | 9 | 139 | 0 | 213 | 3 | 55 | 12 | 0 | 70 | 21 | 14 | 2 | 0 | 37 | 126 | 553 | 20 | 0 | 699 | 1019 | 0 |
| Grand Total | 172 | 71 | 516 | 0 | 759 | 6 | 870 | 131 | 0 | 1007 | 71 | 41 | 10 | 0 | 122 | 546 | 1146 | 108 | 0 | 1800 | 3688 | 0 |
| Apprch % | 22.7% | 9.4% | 68.0% | 0.0% | | 0.6% | 86.4% | 13.0% | 0.0% | | 58.2% | 33.6% | 8.2% | 0.0% | | 30.3% | 63.7% | 6.0% | 0.0% | | | |
| Total % | 4.7% | 1.9% | 14.0% | 0.0% | 20.6% | 0.2% | 23.6% | 3.6% | 0.0% | 27.3% | 1.9% | 1.1% | 0.3% | 0.0% | 3.3% | 14.8% | 31.1% | 2.9% | 0.0% | 48.8% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-002 Greenville Road-Tesla Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | Greenville Road Southbound | | | | | Tesla Road Westbound | | | | | Greenville Road Northbound | | | | | Tesla Road Eastbound | | | | | Total |
|---|----------------------------|-------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 1 | 9 | 40 | 0 | 50 | 1 | 169 | 16 | 0 | 186 | 2 | 2 | 2 | 0 | 6 | 26 | 5 | 12 | 0 | 43 | 285 |
| 07:15 | 2 | 8 | 39 | 0 | 49 | 0 | 130 | 14 | 0 | 144 | 4 | 1 | 1 | 0 | 6 | 24 | 8 | 12 | 0 | 44 | 243 |
| 07:30 | 4 | 4 | 34 | 0 | 42 | 0 | 131 | 18 | 0 | 149 | 1 | 2 | 0 | 0 | 3 | 35 | 3 | 9 | 0 | 47 | 241 |
| 07:45 | 7 | 5 | 39 | 0 | 51 | 0 | 119 | 12 | 0 | 131 | 1 | 0 | 1 | 0 | 2 | 43 | 8 | 6 | 0 | 57 | 241 |
| Total Volume | 14 | 26 | 152 | 0 | 192 | 1 | 549 | 60 | 0 | 610 | 8 | 5 | 4 | 0 | 17 | 128 | 24 | 39 | 0 | 191 | 1010 |
| % App Total | 7.3% | 13.5% | 79.2% | 0.0% | | 0.2% | 90.0% | 9.8% | 0.0% | | 47.1% | 29.4% | 23.5% | 0.0% | | 67.0% | 12.6% | 20.4% | 0.0% | | |
| PHF | .500 | .722 | .950 | .000 | .941 | .250 | .812 | .833 | .000 | .820 | .500 | .625 | .500 | .000 | .708 | .744 | .750 | .813 | .000 | .838 | .886 |

| PM PEAK HOUR | Greenville Road Southbound | | | | | Tesla Road Westbound | | | | | Greenville Road Northbound | | | | | Tesla Road Eastbound | | | | | Total |
|---|----------------------------|------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|----------------------|-------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 16 | 2 | 30 | 0 | 48 | 0 | 11 | 2 | 0 | 13 | 7 | 6 | 2 | 0 | 15 | 48 | 136 | 9 | 0 | 193 | 269 |
| 16:30 | 26 | 7 | 25 | 0 | 58 | 1 | 11 | 1 | 0 | 13 | 2 | 4 | 2 | 0 | 8 | 37 | 137 | 7 | 0 | 181 | 260 |
| 16:45 | 13 | 6 | 28 | 0 | 47 | 0 | 6 | 6 | 0 | 12 | 6 | 3 | 0 | 0 | 9 | 38 | 137 | 7 | 0 | 182 | 250 |
| 17:00 | 17 | 4 | 39 | 0 | 60 | 1 | 13 | 2 | 0 | 16 | 3 | 3 | 1 | 0 | 7 | 31 | 143 | 3 | 0 | 177 | 260 |
| Total Volume | 72 | 19 | 122 | 0 | 213 | 2 | 41 | 11 | 0 | 54 | 18 | 16 | 5 | 0 | 39 | 154 | 553 | 26 | 0 | 733 | 1039 |
| % App Total | 33.8% | 8.9% | 57.3% | 0.0% | | 3.7% | 75.9% | 20.4% | 0.0% | | 46.2% | 41.0% | 12.8% | 0.0% | | 21.0% | 75.4% | 3.5% | 0.0% | | |
| PHF | .692 | .679 | .782 | .000 | .888 | .500 | .788 | .458 | .000 | .844 | .643 | .667 | .625 | .000 | .650 | .802 | .967 | .722 | .000 | .949 | .966 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-002 Greenville Road-Tesla Road.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Greenville Road Southbound | | | | | Tesla Road Westbound | | | | | Greenville Road Northbound | | | | | Tesla Road Eastbound | | | | | Total | |
|---|----------------------------|------|-------|------|-----------|----------------------|------|-------|------|-----------|----------------------------|------|-------|------|-----------|----------------------|--------|-------|------|-----------|-------|------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .250 | .000 | | .250 | .250 | .250 |

| PM PEAK HOUR | Greenville Road Southbound | | | | | Tesla Road Westbound | | | | | Greenville Road Northbound | | | | | Tesla Road Eastbound | | | | | Total | |
|---|----------------------------|------|--------|------|-----------|----------------------|--------|-------|------|-----------|----------------------------|------|-------|------|-----------|----------------------|------|-------|------|-----------|-------|------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 16:30 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 2 | 0 | 2 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| % App Total | 0.0% | 0.0% | 100.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | |
| PHF | .000 | .000 | .500 | | .500 | .000 | .250 | .000 | | .250 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .375 | .375 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-003 Concannon Boulevard-S. Livermore Avenue.p
 Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total | Uturn Total |
|--------------------|------------|----------|----------|----------|-----------|-------------------------------|------------|----------|----------|-------------|--------------------------------|----------|-------------|----------|-------------|-------------------------------|------------|------------|----------|-------------|-------------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 252 | 55 | 0 | 0 | 307 | 3 | 0 | 73 | 0 | 76 | 0 | 29 | 11 | 0 | 40 | 423 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 170 | 59 | 0 | 0 | 229 | 7 | 0 | 86 | 0 | 93 | 0 | 38 | 10 | 0 | 48 | 370 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 197 | 81 | 0 | 0 | 278 | 17 | 0 | 94 | 0 | 111 | 0 | 37 | 15 | 0 | 52 | 441 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 226 | 60 | 0 | 0 | 286 | 27 | 0 | 113 | 0 | 140 | 0 | 29 | 17 | 0 | 46 | 472 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 845 | 255 | 0 | 0 | 1100 | 54 | 0 | 366 | 0 | 420 | 0 | 133 | 53 | 0 | 186 | 1706 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 204 | 62 | 0 | 0 | 266 | 25 | 0 | 93 | 0 | 118 | 0 | 40 | 44 | 0 | 84 | 468 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 178 | 42 | 0 | 0 | 220 | 21 | 0 | 99 | 0 | 120 | 0 | 46 | 24 | 0 | 70 | 410 | 0 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 132 | 44 | 0 | 0 | 176 | 16 | 0 | 85 | 0 | 101 | 0 | 31 | 25 | 0 | 56 | 333 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 142 | 39 | 0 | 0 | 181 | 21 | 0 | 70 | 0 | 91 | 0 | 30 | 22 | 0 | 52 | 324 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 656 | 187 | 0 | 0 | 843 | 83 | 0 | 347 | 0 | 430 | 0 | 147 | 115 | 0 | 262 | 1535 | 0 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 90 | 35 | 0 | 0 | 125 | 28 | 0 | 239 | 0 | 267 | 0 | 57 | 14 | 0 | 71 | 463 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 98 | 43 | 0 | 0 | 141 | 24 | 0 | 196 | 0 | 220 | 0 | 37 | 29 | 0 | 66 | 427 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 133 | 55 | 0 | 0 | 188 | 22 | 0 | 244 | 0 | 266 | 0 | 49 | 31 | 0 | 80 | 534 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 122 | 37 | 0 | 0 | 159 | 30 | 0 | 209 | 0 | 239 | 0 | 59 | 19 | 0 | 78 | 476 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 443 | 170 | 0 | 0 | 613 | 104 | 0 | 888 | 0 | 992 | 0 | 202 | 93 | 0 | 295 | 1900 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 138 | 63 | 0 | 0 | 201 | 19 | 0 | 209 | 0 | 228 | 0 | 38 | 30 | 0 | 68 | 497 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 156 | 59 | 0 | 0 | 215 | 22 | 0 | 205 | 0 | 227 | 0 | 43 | 41 | 0 | 84 | 526 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 110 | 54 | 0 | 0 | 164 | 18 | 0 | 202 | 0 | 220 | 0 | 43 | 25 | 0 | 68 | 452 | 0 |
| 17:45 | 0 | 0 | 0 | 0 | 0 | 104 | 45 | 0 | 0 | 149 | 20 | 0 | 195 | 0 | 215 | 0 | 50 | 26 | 0 | 76 | 440 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 508 | 221 | 0 | 0 | 729 | 79 | 0 | 811 | 0 | 890 | 0 | 174 | 122 | 0 | 296 | 1915 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 2452 | 833 | 0 | 0 | 3285 | 320 | 0 | 2412 | 0 | 2732 | 0 | 656 | 383 | 0 | 1039 | 7056 | 0 |
| Apprch % | 0.0% | 0.0% | 0.0% | 0.0% | | 74.6% | 25.4% | 0.0% | 0.0% | | 11.7% | 0.0% | 88.3% | 0.0% | | 0.0% | 63.1% | 36.9% | 0.0% | | | |
| Total % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 34.8% | 11.8% | 0.0% | 0.0% | 46.6% | 4.5% | 0.0% | 34.2% | 0.0% | 38.7% | 0.0% | 9.3% | 5.4% | 0.0% | 14.7% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-003 Concannon Boulevard-S. Livermore Avenue.p
 Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total |
|---|------------|------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|--------------------------------|------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 197 | 81 | 0 | 0 | 278 | 17 | 0 | 94 | 0 | 111 | 0 | 37 | 15 | 0 | 52 | 441 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 226 | 60 | 0 | 0 | 286 | 27 | 0 | 113 | 0 | 140 | 0 | 29 | 17 | 0 | 46 | 472 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 204 | 62 | 0 | 0 | 266 | 25 | 0 | 93 | 0 | 118 | 0 | 40 | 44 | 0 | 84 | 468 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 178 | 42 | 0 | 0 | 220 | 21 | 0 | 99 | 0 | 120 | 0 | 46 | 24 | 0 | 70 | 410 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 805 | 245 | 0 | 0 | 1050 | 90 | 0 | 399 | 0 | 489 | 0 | 152 | 100 | 0 | 252 | 1791 |
| % App Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 76.7% | 23.3% | 0.0% | 0.0% | | 18.4% | 0.0% | 81.6% | 0.0% | | 0.0% | 60.3% | 39.7% | 0.0% | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .890 | .756 | .000 | .000 | .918 | .833 | .000 | .883 | .000 | .873 | .000 | .826 | .568 | .000 | .750 | .949 |

| PM PEAK HOUR | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total |
|---|------------|------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|--------------------------------|------|-------|--------|-----------|-------------------------------|-------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 133 | 55 | 0 | 0 | 188 | 22 | 0 | 244 | 0 | 266 | 0 | 49 | 31 | 0 | 80 | 534 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 122 | 37 | 0 | 0 | 159 | 30 | 0 | 209 | 0 | 239 | 0 | 59 | 19 | 0 | 78 | 476 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 138 | 63 | 0 | 0 | 201 | 19 | 0 | 209 | 0 | 228 | 0 | 38 | 30 | 0 | 68 | 497 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 156 | 59 | 0 | 0 | 215 | 22 | 0 | 205 | 0 | 227 | 0 | 43 | 41 | 0 | 84 | 526 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 549 | 214 | 0 | 0 | 763 | 93 | 0 | 867 | 0 | 960 | 0 | 189 | 121 | 0 | 310 | 2033 |
| % App Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 72.0% | 28.0% | 0.0% | 0.0% | | 9.7% | 0.0% | 90.3% | 0.0% | | 0.0% | 61.0% | 39.0% | 0.0% | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .880 | .849 | .000 | .000 | .887 | .775 | .000 | .888 | .000 | .902 | .000 | .801 | .738 | .000 | .923 | .952 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-003 Concannon Boulevard-S. Livermore Avenue.p
 Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| START TIME | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total | Ped Total |
|--------------------|------------|------|-------|------|-----------|-------------------------------|-------|-------|------|-----------|--------------------------------|------|--------|------|-----------|-------------------------------|-------|-------|------|-----------|--------|-----------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 1 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 3 | 6 | 2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 2 |
| Total | 0 | 0 | 0 | 0 | 0 | 3 | 2 | 0 | 0 | 5 | 0 | 0 | 2 | 3 | 2 | 0 | 1 | 0 | 0 | 1 | 8 | 3 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 1 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 | 0 |
| 17:45 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 1 | 2 | 0 | 1 | 0 | 0 | 1 | 5 | 1 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 4 | 8 | 0 | 0 | 12 | 0 | 0 | 4 | 7 | 4 | 0 | 3 | 4 | 0 | 7 | 23 | 7 |
| Apprch % | 0.0% | 0.0% | 0.0% | | | 33.3% | 66.7% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | 0.0% | 42.9% | 57.1% | | | | |
| Total % | 0.0% | 0.0% | 0.0% | | 0.0% | 17.4% | 34.8% | 0.0% | | 52.2% | 0.0% | 0.0% | 17.4% | | 17.4% | 0.0% | 13.0% | 17.4% | | 30.4% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700
orders@atdtraffic.com

File Name : 14-7542-003 Concannon Boulevard-S. Livermore Avenue.p
 Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total |
|---|------------|------|-------|------|-----------|-------------------------------|-------|-------|------|-----------|--------------------------------|------|--------|------|-----------|-------------------------------|------|--------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 4 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 5 | 0 | 0 | 2 | 2 | 2 | 0 | 0 | 1 | 0 | 1 | 8 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 40.0% | 60.0% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | 0.0% | 0.0% | 100.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .250 | .375 | .000 | | .625 | .000 | .000 | .250 | | .250 | .000 | .000 | .250 | | .250 | .500 |

| PM PEAK HOUR | Southbound | | | | | S. Livermore Avenue Westbound | | | | | Concannon Boulevard Northbound | | | | | S. Livermore Avenue Eastbound | | | | | Total |
|---|------------|------|-------|------|-----------|-------------------------------|------|-------|------|-----------|--------------------------------|------|--------|------|-----------|-------------------------------|------|--------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 1 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 2 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | 0.0% | 0.0% | 100.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .250 | | .250 | .000 | .000 | .250 | | .250 | .500 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-004 Isabel Avenue-Concannon Boulevard.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Isabel Avenue Southbound | | | | | Concannon Boulevard Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total | Uturn Total |
|-------------|--------------------------|-------|-------|--------|-----------|-------------------------------|------|-------|--------|-----------|--------------------------|-------|-------|--------|-----------|-----------|------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 14 | 117 | 0 | 0 | 131 | 148 | 0 | 130 | 0 | 278 | 0 | 91 | 7 | 0 | 98 | 0 | 0 | 0 | 0 | 0 | 507 | 0 |
| 07:15 | 20 | 113 | 0 | 0 | 133 | 123 | 0 | 175 | 0 | 298 | 0 | 103 | 15 | 0 | 118 | 0 | 0 | 0 | 0 | 0 | 549 | 0 |
| 07:30 | 34 | 136 | 0 | 0 | 170 | 85 | 0 | 174 | 0 | 259 | 0 | 110 | 13 | 0 | 123 | 0 | 0 | 0 | 0 | 0 | 552 | 0 |
| 07:45 | 35 | 151 | 0 | 0 | 186 | 102 | 0 | 171 | 0 | 273 | 0 | 121 | 25 | 0 | 146 | 0 | 0 | 0 | 0 | 0 | 605 | 0 |
| Total | 103 | 517 | 0 | 0 | 620 | 458 | 0 | 650 | 0 | 1108 | 0 | 425 | 60 | 0 | 485 | 0 | 0 | 0 | 0 | 0 | 2213 | 0 |
| 08:00 | 43 | 175 | 0 | 0 | 218 | 87 | 0 | 127 | 0 | 214 | 0 | 112 | 21 | 0 | 133 | 0 | 0 | 0 | 0 | 0 | 565 | 0 |
| 08:15 | 34 | 178 | 0 | 0 | 212 | 122 | 0 | 153 | 0 | 275 | 0 | 113 | 11 | 0 | 124 | 0 | 0 | 0 | 0 | 0 | 611 | 0 |
| 08:30 | 32 | 172 | 0 | 0 | 204 | 54 | 0 | 118 | 0 | 172 | 0 | 108 | 13 | 0 | 121 | 0 | 0 | 0 | 0 | 0 | 497 | 0 |
| 08:45 | 37 | 210 | 0 | 0 | 247 | 45 | 0 | 96 | 0 | 141 | 0 | 110 | 12 | 0 | 122 | 0 | 0 | 0 | 0 | 0 | 510 | 0 |
| Total | 146 | 735 | 0 | 0 | 881 | 308 | 0 | 494 | 0 | 802 | 0 | 443 | 57 | 0 | 500 | 0 | 0 | 0 | 0 | 0 | 2183 | 0 |
| 16:00 | 89 | 163 | 0 | 0 | 252 | 22 | 0 | 51 | 0 | 73 | 0 | 172 | 59 | 0 | 231 | 0 | 0 | 0 | 0 | 0 | 556 | 0 |
| 16:15 | 110 | 166 | 0 | 0 | 276 | 23 | 0 | 55 | 0 | 78 | 0 | 153 | 46 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 553 | 0 |
| 16:30 | 93 | 188 | 0 | 0 | 281 | 25 | 0 | 61 | 0 | 86 | 0 | 159 | 62 | 0 | 221 | 0 | 0 | 0 | 0 | 0 | 588 | 0 |
| 16:45 | 107 | 198 | 0 | 0 | 305 | 35 | 0 | 62 | 0 | 97 | 0 | 132 | 62 | 0 | 194 | 0 | 0 | 0 | 0 | 0 | 596 | 0 |
| Total | 399 | 715 | 0 | 0 | 1114 | 105 | 0 | 229 | 0 | 334 | 0 | 616 | 229 | 0 | 845 | 0 | 0 | 0 | 0 | 0 | 2293 | 0 |
| 17:00 | 127 | 202 | 0 | 0 | 329 | 18 | 0 | 60 | 0 | 78 | 0 | 143 | 73 | 0 | 216 | 0 | 0 | 0 | 0 | 0 | 623 | 0 |
| 17:15 | 119 | 181 | 0 | 0 | 300 | 17 | 0 | 64 | 0 | 81 | 0 | 125 | 70 | 0 | 195 | 0 | 0 | 0 | 0 | 0 | 576 | 0 |
| 17:30 | 111 | 168 | 0 | 0 | 279 | 16 | 0 | 69 | 0 | 85 | 0 | 118 | 66 | 0 | 184 | 0 | 0 | 0 | 0 | 0 | 548 | 0 |
| 17:45 | 117 | 165 | 0 | 0 | 282 | 17 | 0 | 44 | 0 | 61 | 0 | 150 | 58 | 0 | 208 | 0 | 0 | 0 | 0 | 0 | 551 | 0 |
| Total | 474 | 716 | 0 | 0 | 1190 | 68 | 0 | 237 | 0 | 305 | 0 | 536 | 267 | 0 | 803 | 0 | 0 | 0 | 0 | 0 | 2298 | 0 |
| Grand Total | 1122 | 2683 | 0 | 0 | 3805 | 939 | 0 | 1610 | 0 | 2549 | 0 | 2020 | 613 | 0 | 2633 | 0 | 0 | 0 | 0 | 0 | 8987 | 0 |
| Apprch % | 29.5% | 70.5% | 0.0% | 0.0% | | 36.8% | 0.0% | 63.2% | 0.0% | | 0.0% | 76.7% | 23.3% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| Total % | 12.5% | 29.9% | 0.0% | 0.0% | 42.3% | 10.4% | 0.0% | 17.9% | 0.0% | 28.4% | 0.0% | 22.5% | 6.8% | 0.0% | 29.3% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-004 Isabel Avenue-Concannon Boulevard.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| START TIME | Isabel Avenue Southbound | | | | | Concannon Boulevard Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total | Ped Total | | | | |
|-------------|--------------------------|-------|-------|------|-----------|-------------------------------|------|-------|------|-----------|--------------------------|-------|-------|------|-----------|-----------|------|-------|------|-----------|-------|-----------|---|---|--------|----|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Total | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| 08:30 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 5 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 |
| Total | 0 | 1 | 0 | 0 | 1 | 2 | 0 | 3 | 12 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 12 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 |
| Total | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 1 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 |
| 17:00 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:15 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:30 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| 17:45 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 |
| Total | 1 | 5 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 0 |
| Grand Total | 4 | 7 | 0 | 0 | 11 | 3 | 0 | 4 | 15 | 7 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 15 |
| Apprch % | 36.4% | 63.6% | 0.0% | | | 42.9% | 0.0% | 57.1% | | | 0.0% | 50.0% | 50.0% | | | 0.0% | 0.0% | 0.0% | | | | | | | | |
| Total % | 20.0% | 35.0% | 0.0% | | 55.0% | 15.0% | 0.0% | 20.0% | | 35.0% | 0.0% | 5.0% | 5.0% | | 10.0% | 0.0% | 0.0% | 0.0% | | 0.0% | | | | | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-004 Isabel Avenue-Concannon Boulevard.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Isabel Avenue Southbound | | | | | Concannon Boulevard Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total |
|---|--------------------------|-------|-------|------|-----------|-------------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|-----------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| % App Total | 50.0% | 50.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .250 | .250 | .000 | | .250 | .000 | .000 | .000 | | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | | .250 |

| PM PEAK HOUR | Isabel Avenue Southbound | | | | | Concannon Boulevard Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total |
|---|--------------------------|-------|-------|------|-----------|-------------------------------|------|-------|------|-----------|--------------------------|------|--------|------|-----------|-----------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45 | 2 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 |
| 17:00 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:15 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 3 | 1 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| % App Total | 75.0% | 25.0% | 0.0% | | | 100.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 100.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .375 | .250 | .000 | | .500 | .250 | .000 | .000 | | .250 | .000 | .000 | .250 | | .250 | .000 | .000 | .000 | | .000 | .375 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-005 Isabel Avenue-Vallecitos Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Isabel Avenue Southbound | | | | | Vallecitos Road Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total | Uturn Total |
|-------------|--------------------------|-------|-------|--------|-----------|---------------------------|------|-------|--------|-----------|--------------------------|-------|-------|--------|-----------|-----------|------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 0 | 176 | 0 | 0 | 176 | 242 | 0 | 0 | 0 | 242 | 0 | 87 | 68 | 0 | 155 | 0 | 0 | 0 | 0 | 0 | 573 | 0 |
| 07:15 | 0 | 178 | 0 | 0 | 178 | 219 | 0 | 0 | 0 | 219 | 0 | 94 | 78 | 0 | 172 | 0 | 0 | 0 | 0 | 0 | 569 | 0 |
| 07:30 | 1 | 175 | 0 | 0 | 176 | 235 | 0 | 2 | 0 | 237 | 0 | 98 | 109 | 0 | 207 | 0 | 0 | 0 | 0 | 0 | 620 | 0 |
| 07:45 | 0 | 173 | 0 | 0 | 173 | 222 | 0 | 1 | 0 | 223 | 0 | 103 | 86 | 0 | 189 | 0 | 0 | 0 | 0 | 0 | 585 | 0 |
| Total | 1 | 702 | 0 | 0 | 703 | 918 | 0 | 3 | 0 | 921 | 0 | 382 | 341 | 0 | 723 | 0 | 0 | 0 | 0 | 0 | 2347 | 0 |
| 08:00 | 1 | 181 | 0 | 0 | 182 | 265 | 0 | 1 | 0 | 266 | 0 | 117 | 69 | 0 | 186 | 0 | 0 | 0 | 0 | 0 | 634 | 0 |
| 08:15 | 1 | 190 | 0 | 0 | 191 | 197 | 0 | 0 | 0 | 197 | 0 | 88 | 70 | 0 | 158 | 0 | 0 | 0 | 0 | 0 | 546 | 0 |
| 08:30 | 0 | 206 | 0 | 0 | 206 | 161 | 0 | 0 | 0 | 161 | 0 | 101 | 77 | 0 | 178 | 0 | 0 | 0 | 0 | 0 | 545 | 0 |
| 08:45 | 0 | 178 | 0 | 0 | 178 | 192 | 0 | 0 | 0 | 192 | 0 | 93 | 64 | 0 | 157 | 0 | 0 | 0 | 0 | 0 | 527 | 0 |
| Total | 2 | 755 | 0 | 0 | 757 | 815 | 0 | 1 | 0 | 816 | 0 | 399 | 280 | 0 | 679 | 0 | 0 | 0 | 0 | 0 | 2252 | 0 |
| 16:00 | 0 | 126 | 0 | 0 | 126 | 79 | 0 | 1 | 0 | 80 | 0 | 147 | 265 | 0 | 412 | 0 | 0 | 0 | 0 | 0 | 618 | 0 |
| 16:15 | 2 | 159 | 0 | 0 | 161 | 76 | 0 | 2 | 0 | 78 | 0 | 129 | 263 | 0 | 392 | 0 | 0 | 0 | 0 | 0 | 631 | 0 |
| 16:30 | 2 | 140 | 0 | 0 | 142 | 103 | 0 | 3 | 0 | 106 | 0 | 136 | 242 | 0 | 378 | 0 | 0 | 0 | 0 | 0 | 626 | 0 |
| 16:45 | 0 | 176 | 0 | 0 | 176 | 83 | 0 | 1 | 0 | 84 | 0 | 126 | 252 | 0 | 378 | 0 | 0 | 0 | 0 | 0 | 638 | 0 |
| Total | 4 | 601 | 0 | 0 | 605 | 341 | 0 | 7 | 0 | 348 | 0 | 538 | 1022 | 0 | 1560 | 0 | 0 | 0 | 0 | 0 | 2513 | 0 |
| 17:00 | 0 | 169 | 0 | 0 | 169 | 96 | 0 | 0 | 0 | 96 | 0 | 125 | 252 | 0 | 377 | 0 | 0 | 0 | 0 | 0 | 642 | 0 |
| 17:15 | 1 | 142 | 0 | 0 | 143 | 104 | 0 | 1 | 0 | 105 | 0 | 131 | 267 | 0 | 398 | 0 | 0 | 0 | 0 | 0 | 646 | 0 |
| 17:30 | 0 | 131 | 0 | 0 | 131 | 91 | 0 | 2 | 0 | 93 | 0 | 129 | 302 | 0 | 431 | 0 | 0 | 0 | 0 | 0 | 655 | 0 |
| 17:45 | 1 | 124 | 0 | 0 | 125 | 84 | 0 | 0 | 0 | 84 | 0 | 146 | 246 | 0 | 392 | 0 | 0 | 0 | 0 | 0 | 601 | 0 |
| Total | 2 | 566 | 0 | 0 | 568 | 375 | 0 | 3 | 0 | 378 | 0 | 531 | 1067 | 0 | 1598 | 0 | 0 | 0 | 0 | 0 | 2544 | 0 |
| Grand Total | 9 | 2624 | 0 | 0 | 2633 | 2449 | 0 | 14 | 0 | 2463 | 0 | 1850 | 2710 | 0 | 4560 | 0 | 0 | 0 | 0 | 0 | 9656 | 0 |
| Apprch % | 0.3% | 99.7% | 0.0% | 0.0% | | 99.4% | 0.0% | 0.6% | 0.0% | | 0.0% | 40.6% | 59.4% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | | |
| Total % | 0.1% | 27.2% | 0.0% | 0.0% | 27.3% | 25.4% | 0.0% | 0.1% | 0.0% | 25.5% | 0.0% | 19.2% | 28.1% | 0.0% | 47.2% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-005 Isabel Avenue-Vallecitos Road.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Isabel Avenue Southbound | | | | | Vallecitos Road Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total |
|---|--------------------------|------|-------|------|-----------|---------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|-----------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:15 to 08:15 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:15 | | | | | | | | | | | | | | | | | | | | | |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 |

| PM PEAK HOUR | Isabel Avenue Southbound | | | | | Vallecitos Road Westbound | | | | | Isabel Avenue Northbound | | | | | Eastbound | | | | | Total |
|---|--------------------------|------|-------|------|-----------|---------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|-----------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:45 to 17:45 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:45 | | | | | | | | | | | | | | | | | | | | | |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-006 Isabel Avenue-I-580 EB Ramps.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | Uturn Total |
|-------------|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 0 | 137 | 13 | 0 | 150 | 0 | 0 | 0 | 0 | 0 | 0 | 155 | 85 | 0 | 240 | 17 | 0 | 47 | 0 | 64 | 454 | 0 |
| 07:15 | 0 | 159 | 16 | 0 | 175 | 0 | 0 | 0 | 0 | 0 | 0 | 114 | 80 | 0 | 194 | 18 | 0 | 78 | 0 | 96 | 465 | 0 |
| 07:30 | 0 | 182 | 12 | 0 | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 83 | 0 | 284 | 34 | 0 | 93 | 0 | 127 | 605 | 0 |
| 07:45 | 0 | 177 | 22 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 82 | 0 | 300 | 74 | 0 | 74 | 0 | 148 | 647 | 0 |
| Total | 0 | 655 | 63 | 0 | 718 | 0 | 0 | 0 | 0 | 0 | 0 | 688 | 330 | 0 | 1018 | 143 | 0 | 292 | 0 | 435 | 2171 | 0 |
| 08:00 | 0 | 210 | 32 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 0 | 171 | 106 | 0 | 277 | 36 | 0 | 98 | 0 | 134 | 653 | 0 |
| 08:15 | 0 | 232 | 29 | 0 | 261 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 92 | 0 | 211 | 34 | 0 | 87 | 0 | 121 | 593 | 0 |
| 08:30 | 0 | 193 | 25 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 142 | 94 | 0 | 236 | 29 | 0 | 87 | 0 | 116 | 570 | 0 |
| 08:45 | 0 | 245 | 12 | 0 | 257 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 90 | 0 | 221 | 47 | 0 | 98 | 0 | 145 | 623 | 0 |
| Total | 0 | 880 | 98 | 0 | 978 | 0 | 0 | 0 | 0 | 0 | 0 | 563 | 382 | 0 | 945 | 146 | 0 | 370 | 0 | 516 | 2439 | 0 |
| 16:00 | 0 | 220 | 78 | 0 | 298 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 134 | 0 | 282 | 23 | 0 | 75 | 0 | 98 | 678 | 0 |
| 16:15 | 0 | 195 | 56 | 0 | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 173 | 140 | 0 | 313 | 37 | 0 | 95 | 0 | 132 | 696 | 0 |
| 16:30 | 0 | 227 | 55 | 0 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 147 | 0 | 350 | 42 | 0 | 83 | 0 | 125 | 757 | 0 |
| 16:45 | 0 | 239 | 48 | 0 | 287 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 120 | 0 | 268 | 26 | 0 | 81 | 0 | 107 | 662 | 0 |
| Total | 0 | 881 | 237 | 0 | 1118 | 0 | 0 | 0 | 0 | 0 | 0 | 672 | 541 | 0 | 1213 | 128 | 0 | 334 | 0 | 462 | 2793 | 0 |
| 17:00 | 0 | 216 | 59 | 0 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 194 | 161 | 0 | 355 | 51 | 0 | 94 | 0 | 145 | 775 | 0 |
| 17:15 | 0 | 226 | 56 | 0 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 147 | 122 | 0 | 269 | 38 | 0 | 101 | 0 | 139 | 690 | 0 |
| 17:30 | 0 | 186 | 62 | 0 | 248 | 0 | 0 | 0 | 0 | 0 | 0 | 161 | 120 | 0 | 281 | 53 | 0 | 114 | 0 | 167 | 696 | 0 |
| 17:45 | 0 | 177 | 41 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 0 | 115 | 117 | 0 | 232 | 44 | 0 | 151 | 0 | 195 | 645 | 0 |
| Total | 0 | 805 | 218 | 0 | 1023 | 0 | 0 | 0 | 0 | 0 | 0 | 617 | 520 | 0 | 1137 | 186 | 0 | 460 | 0 | 646 | 2806 | 0 |
| Grand Total | 0 | 3221 | 616 | 0 | 3837 | 0 | 0 | 0 | 0 | 0 | 0 | 2540 | 1773 | 0 | 4313 | 603 | 0 | 1456 | 0 | 2059 | 10209 | 0 |
| Apprch % | 0.0% | 83.9% | 16.1% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 58.9% | 41.1% | 0.0% | | 29.3% | 0.0% | 70.7% | 0.0% | | | |
| Total % | 0.0% | 31.6% | 6.0% | 0.0% | 37.6% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 24.9% | 17.4% | 0.0% | 42.2% | 5.9% | 0.0% | 14.3% | 0.0% | 20.2% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-006 Isabel Avenue-I-580 EB Ramps.ppd
 Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 182 | 12 | 0 | 194 | 0 | 0 | 0 | 0 | 0 | 0 | 201 | 83 | 0 | 284 | 34 | 0 | 93 | 0 | 127 | 605 |
| 07:45 | 0 | 177 | 22 | 0 | 199 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 82 | 0 | 300 | 74 | 0 | 74 | 0 | 148 | 647 |
| 08:00 | 0 | 210 | 32 | 0 | 242 | 0 | 0 | 0 | 0 | 0 | 0 | 171 | 106 | 0 | 277 | 36 | 0 | 98 | 0 | 134 | 653 |
| 08:15 | 0 | 232 | 29 | 0 | 261 | 0 | 0 | 0 | 0 | 0 | 0 | 119 | 92 | 0 | 211 | 34 | 0 | 87 | 0 | 121 | 593 |
| Total Volume | 0 | 801 | 95 | 0 | 896 | 0 | 0 | 0 | 0 | 0 | 0 | 709 | 363 | 0 | 1072 | 178 | 0 | 352 | 0 | 530 | 2498 |
| % App Total | 0.0% | 89.4% | 10.6% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 66.1% | 33.9% | 0.0% | | 33.6% | 0.0% | 66.4% | 0.0% | | |
| PHF | .000 | .863 | .742 | .000 | .858 | .000 | .000 | .000 | .000 | .000 | .000 | .813 | .856 | .000 | .893 | .601 | .000 | .898 | .000 | .895 | .956 |

| PM PEAK HOUR | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 0 | 195 | 56 | 0 | 251 | 0 | 0 | 0 | 0 | 0 | 0 | 173 | 140 | 0 | 313 | 37 | 0 | 95 | 0 | 132 | 696 |
| 16:30 | 0 | 227 | 55 | 0 | 282 | 0 | 0 | 0 | 0 | 0 | 0 | 203 | 147 | 0 | 350 | 42 | 0 | 83 | 0 | 125 | 757 |
| 16:45 | 0 | 239 | 48 | 0 | 287 | 0 | 0 | 0 | 0 | 0 | 0 | 148 | 120 | 0 | 268 | 26 | 0 | 81 | 0 | 107 | 662 |
| 17:00 | 0 | 216 | 59 | 0 | 275 | 0 | 0 | 0 | 0 | 0 | 0 | 194 | 161 | 0 | 355 | 51 | 0 | 94 | 0 | 145 | 775 |
| Total Volume | 0 | 877 | 218 | 0 | 1095 | 0 | 0 | 0 | 0 | 0 | 0 | 718 | 568 | 0 | 1286 | 156 | 0 | 353 | 0 | 509 | 2890 |
| % App Total | 0.0% | 80.1% | 19.9% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 55.8% | 44.2% | 0.0% | | 30.6% | 0.0% | 69.4% | 0.0% | | |
| PHF | .000 | .917 | .924 | .000 | .954 | .000 | .000 | .000 | .000 | .000 | .000 | .884 | .882 | .000 | .906 | .765 | .000 | .929 | .000 | .878 | .932 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-006 Isabel Avenue-I-580 EB Ramps.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| START TIME | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | Ped Total | | |
|--------------------|--------------------------|----------|----------|----------|-----------|--------------------------|----------|----------|----------|-----------|--------------------------|----------|----------|----------|-----------|--------------------------|----------|----------|----------|-----------|----------|-----------|----------|---|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:45 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Total | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | |
| Grand Total | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | |
| Apprch % | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | | | |
| Total % | 0.0% | 100.0% | 0.0% | | 100.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | | | 0.0% | | | 100.0% | | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-006 Isabel Avenue-I-580 EB Ramps.ppd
 Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | |
|---|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|-------|---|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | |

| PM PEAK HOUR | Isabel Avenue Southbound | | | | | I-580 EB Ramps Westbound | | | | | Isabel Avenue Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | |
|---|--------------------------|--------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|-------|---|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | |
| Peak Hour Analysis From 16:15 to 17:15 | | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:15 | | | | | | | | | | | | | | | | | | | | | | |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| % App Total | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | |
| PHF | .000 | .250 | .000 | | .250 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .250 | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-007 N. Vasco Road-I-580 EB Ramps.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | Uturn Total |
|-------------|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 18 | 396 | 0 | 0 | 414 | 0 | 0 | 85 | 0 | 85 | 0 | 89 | 44 | 0 | 133 | 0 | 0 | 200 | 0 | 200 | 832 | 0 |
| 07:15 | 12 | 414 | 0 | 0 | 426 | 0 | 0 | 90 | 0 | 90 | 0 | 95 | 17 | 0 | 112 | 0 | 0 | 237 | 0 | 237 | 865 | 0 |
| 07:30 | 11 | 475 | 0 | 0 | 486 | 0 | 0 | 120 | 0 | 120 | 0 | 116 | 29 | 0 | 145 | 0 | 0 | 254 | 0 | 254 | 1005 | 0 |
| 07:45 | 9 | 442 | 0 | 0 | 451 | 0 | 0 | 124 | 0 | 124 | 0 | 86 | 22 | 0 | 108 | 0 | 0 | 284 | 0 | 284 | 967 | 0 |
| Total | 50 | 1727 | 0 | 0 | 1777 | 0 | 0 | 419 | 0 | 419 | 0 | 386 | 112 | 0 | 498 | 0 | 0 | 975 | 0 | 975 | 3669 | 0 |
| 08:00 | 13 | 439 | 0 | 0 | 452 | 0 | 0 | 146 | 0 | 146 | 0 | 119 | 22 | 0 | 141 | 0 | 0 | 253 | 0 | 253 | 992 | 0 |
| 08:15 | 11 | 389 | 0 | 0 | 400 | 0 | 0 | 131 | 0 | 131 | 0 | 138 | 33 | 0 | 171 | 0 | 0 | 248 | 0 | 248 | 950 | 0 |
| 08:30 | 30 | 300 | 0 | 0 | 330 | 0 | 0 | 106 | 0 | 106 | 0 | 92 | 18 | 0 | 110 | 0 | 0 | 233 | 0 | 233 | 779 | 0 |
| 08:45 | 16 | 260 | 0 | 0 | 276 | 0 | 0 | 123 | 0 | 123 | 0 | 83 | 16 | 0 | 99 | 0 | 0 | 209 | 0 | 209 | 707 | 0 |
| Total | 70 | 1388 | 0 | 0 | 1458 | 0 | 0 | 506 | 0 | 506 | 0 | 432 | 89 | 0 | 521 | 0 | 0 | 943 | 0 | 943 | 3428 | 0 |
| 16:00 | 11 | 91 | 0 | 0 | 102 | 0 | 0 | 331 | 0 | 331 | 0 | 444 | 64 | 0 | 508 | 0 | 0 | 88 | 0 | 88 | 1029 | 0 |
| 16:15 | 15 | 75 | 0 | 0 | 90 | 0 | 0 | 361 | 0 | 361 | 0 | 375 | 73 | 0 | 448 | 0 | 0 | 97 | 0 | 97 | 996 | 0 |
| 16:30 | 13 | 90 | 0 | 0 | 103 | 0 | 0 | 337 | 0 | 337 | 0 | 423 | 73 | 0 | 496 | 0 | 0 | 88 | 0 | 88 | 1024 | 0 |
| 16:45 | 15 | 129 | 0 | 0 | 144 | 0 | 0 | 318 | 0 | 318 | 0 | 468 | 74 | 0 | 542 | 0 | 0 | 77 | 0 | 77 | 1081 | 0 |
| Total | 54 | 385 | 0 | 0 | 439 | 0 | 0 | 1347 | 0 | 1347 | 0 | 1710 | 284 | 0 | 1994 | 0 | 0 | 350 | 0 | 350 | 4130 | 0 |
| 17:00 | 10 | 99 | 0 | 0 | 109 | 0 | 0 | 335 | 0 | 335 | 0 | 494 | 80 | 0 | 574 | 0 | 0 | 72 | 0 | 72 | 1090 | 0 |
| 17:15 | 18 | 123 | 0 | 0 | 141 | 0 | 0 | 328 | 0 | 328 | 0 | 394 | 73 | 0 | 467 | 0 | 0 | 69 | 0 | 69 | 1005 | 0 |
| 17:30 | 0 | 13 | 0 | 0 | 13 | 0 | 0 | 324 | 0 | 324 | 0 | 59 | 10 | 0 | 69 | 0 | 0 | 11 | 0 | 11 | 417 | 0 |
| 17:45 | 19 | 98 | 0 | 0 | 117 | 0 | 0 | 340 | 0 | 340 | 0 | 353 | 77 | 0 | 430 | 0 | 0 | 66 | 0 | 66 | 953 | 0 |
| Total | 47 | 333 | 0 | 0 | 380 | 0 | 0 | 1327 | 0 | 1327 | 0 | 1300 | 240 | 0 | 1540 | 0 | 0 | 218 | 0 | 218 | 3465 | 0 |
| Grand Total | 221 | 3833 | 0 | 0 | 4054 | 0 | 0 | 3599 | 0 | 3599 | 0 | 3828 | 725 | 0 | 4553 | 0 | 0 | 2486 | 0 | 2486 | 14692 | 0 |
| Apprch % | 5.5% | 94.5% | 0.0% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | 0.0% | 84.1% | 15.9% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | | |
| Total % | 1.5% | 26.1% | 0.0% | 0.0% | 27.6% | 0.0% | 0.0% | 24.5% | 0.0% | 24.5% | 0.0% | 26.1% | 4.9% | 0.0% | 31.0% | 0.0% | 0.0% | 16.9% | 0.0% | 16.9% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-007 N. Vasco Road-I-580 EB Ramps.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 11 | 475 | 0 | 0 | 486 | 0 | 0 | 120 | 0 | 120 | 0 | 116 | 29 | 0 | 145 | 0 | 0 | 254 | 0 | 254 | 1005 |
| 07:45 | 9 | 442 | 0 | 0 | 451 | 0 | 0 | 124 | 0 | 124 | 0 | 86 | 22 | 0 | 108 | 0 | 0 | 284 | 0 | 284 | 967 |
| 08:00 | 13 | 439 | 0 | 0 | 452 | 0 | 0 | 146 | 0 | 146 | 0 | 119 | 22 | 0 | 141 | 0 | 0 | 253 | 0 | 253 | 992 |
| 08:15 | 11 | 389 | 0 | 0 | 400 | 0 | 0 | 131 | 0 | 131 | 0 | 138 | 33 | 0 | 171 | 0 | 0 | 248 | 0 | 248 | 950 |
| Total Volume | 44 | 1745 | 0 | 0 | 1789 | 0 | 0 | 521 | 0 | 521 | 0 | 459 | 106 | 0 | 565 | 0 | 0 | 1039 | 0 | 1039 | 3914 |
| % App Total | 2.5% | 97.5% | 0.0% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | 0.0% | 81.2% | 18.8% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | |
| PHF | .846 | .918 | .000 | .000 | .920 | .000 | .000 | .892 | .000 | .892 | .000 | .832 | .803 | .000 | .826 | .000 | .000 | .915 | .000 | .915 | .974 |

| PM PEAK HOUR | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|--------------------------|-------|-------|--------|-----------|--------------------------|------|--------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 13 | 90 | 0 | 0 | 103 | 0 | 0 | 337 | 0 | 337 | 0 | 423 | 73 | 0 | 496 | 0 | 0 | 88 | 0 | 88 | 1024 |
| 16:45 | 15 | 129 | 0 | 0 | 144 | 0 | 0 | 318 | 0 | 318 | 0 | 468 | 74 | 0 | 542 | 0 | 0 | 77 | 0 | 77 | 1081 |
| 17:00 | 10 | 99 | 0 | 0 | 109 | 0 | 0 | 335 | 0 | 335 | 0 | 494 | 80 | 0 | 574 | 0 | 0 | 72 | 0 | 72 | 1090 |
| 17:15 | 18 | 123 | 0 | 0 | 141 | 0 | 0 | 328 | 0 | 328 | 0 | 394 | 73 | 0 | 467 | 0 | 0 | 69 | 0 | 69 | 1005 |
| Total Volume | 56 | 441 | 0 | 0 | 497 | 0 | 0 | 1318 | 0 | 1318 | 0 | 1779 | 300 | 0 | 2079 | 0 | 0 | 306 | 0 | 306 | 4200 |
| % App Total | 11.3% | 88.7% | 0.0% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | 0.0% | 85.6% | 14.4% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | |
| PHF | .778 | .855 | .000 | .000 | .863 | .000 | .000 | .978 | .000 | .978 | .000 | .900 | .938 | .000 | .905 | .000 | .000 | .869 | .000 | .869 | .963 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-007 N. Vasco Road-I-580 EB Ramps.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| START TIME | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total | Ped Total | | |
|--------------------|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|--------|-------|------|-----------|--------------------------|------|-------|------|-----------|-------|-----------|--------|---|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 5 | |
| Apprch % | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | | | | |
| Total % | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 0.0% | 0.0% | | 0.0% | 0.0% | 100.0% | 0.0% | | 100.0% | 0.0% | 0.0% | 0.0% | | 0.0% | | | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-007 N. Vasco Road-I-580 EB Ramps.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|--------|-------|------|-----------|--------------------------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:30 to 08:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:30 | | | | | | | | | | | | | | | | | | | | | |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .250 | .000 | | .250 | .000 | .000 | .000 | | .000 | .250 |

| PM PEAK HOUR | N. Vasco Road Southbound | | | | | I-580 EB Ramps Westbound | | | | | N. Vasco Road Northbound | | | | | I-580 EB Ramps Eastbound | | | | | Total |
|---|--------------------------|------|-------|------|-----------|--------------------------|------|-------|------|-----------|--------------------------|--------|-------|------|-----------|--------------------------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 2 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 100.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .500 | .000 | | .500 | .000 | .000 | .000 | | .000 | .500 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-008 Greenville Road-Altamont Pass Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| START TIME | Southbound | | | | | Altamont Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Altamont Pass Road Eastbound | | | | | Total | Uturn Total |
|-------------|------------|------|-------|--------|-----------|------------------------------|-------|-------|--------|-----------|----------------------------|------|-------|--------|-----------|------------------------------|-------|-------|--------|-----------|--------|-------------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 97 | 97 | 0 | 0 | 194 | 14 | 0 | 10 | 0 | 24 | 0 | 4 | 172 | 0 | 176 | 394 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 112 | 84 | 0 | 0 | 196 | 5 | 0 | 12 | 0 | 17 | 0 | 6 | 205 | 0 | 211 | 424 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 87 | 71 | 0 | 0 | 158 | 12 | 0 | 7 | 0 | 19 | 0 | 9 | 219 | 0 | 228 | 405 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 71 | 47 | 0 | 0 | 118 | 8 | 0 | 11 | 0 | 19 | 0 | 2 | 262 | 0 | 264 | 401 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 367 | 299 | 0 | 0 | 666 | 39 | 0 | 40 | 0 | 79 | 0 | 21 | 858 | 0 | 879 | 1624 | 0 |
| 08:00 | 0 | 0 | 0 | 0 | 0 | 46 | 50 | 0 | 0 | 96 | 14 | 0 | 13 | 0 | 27 | 0 | 3 | 200 | 0 | 203 | 326 | 0 |
| 08:15 | 0 | 0 | 0 | 0 | 0 | 50 | 51 | 0 | 0 | 101 | 14 | 0 | 9 | 0 | 23 | 0 | 2 | 136 | 0 | 138 | 262 | 0 |
| 08:30 | 0 | 0 | 0 | 0 | 0 | 24 | 47 | 0 | 0 | 71 | 23 | 0 | 10 | 0 | 33 | 0 | 2 | 130 | 0 | 132 | 236 | 0 |
| 08:45 | 0 | 0 | 0 | 0 | 0 | 30 | 31 | 0 | 0 | 61 | 14 | 0 | 7 | 0 | 21 | 0 | 3 | 104 | 0 | 107 | 189 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 150 | 179 | 0 | 0 | 329 | 65 | 0 | 39 | 0 | 104 | 0 | 10 | 570 | 0 | 580 | 1013 | 0 |
| 16:00 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 9 | 68 | 0 | 215 | 0 | 283 | 0 | 130 | 34 | 0 | 164 | 456 | 0 |
| 16:15 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 11 | 58 | 0 | 209 | 0 | 267 | 0 | 136 | 28 | 0 | 164 | 442 | 0 |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 | 15 | 100 | 0 | 241 | 0 | 341 | 0 | 136 | 25 | 0 | 161 | 517 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 85 | 0 | 252 | 0 | 337 | 0 | 142 | 34 | 0 | 176 | 522 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 6 | 38 | 0 | 0 | 44 | 311 | 0 | 917 | 0 | 1228 | 0 | 544 | 121 | 0 | 665 | 1937 | 0 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 12 | 112 | 0 | 255 | 0 | 367 | 0 | 138 | 20 | 0 | 158 | 537 | 0 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 9 | 95 | 0 | 233 | 0 | 328 | 0 | 144 | 18 | 0 | 162 | 499 | 0 |
| 17:30 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 0 | 0 | 11 | 75 | 0 | 216 | 0 | 291 | 0 | 144 | 33 | 0 | 177 | 479 | 0 |
| 17:45 | 0 | 0 | 0 | 0 | 0 | 2 | 9 | 0 | 0 | 11 | 62 | 0 | 193 | 0 | 255 | 0 | 138 | 30 | 0 | 168 | 434 | 0 |
| Total | 0 | 0 | 0 | 0 | 0 | 12 | 31 | 0 | 0 | 43 | 344 | 0 | 897 | 0 | 1241 | 0 | 564 | 101 | 0 | 665 | 1949 | 0 |
| Grand Total | 0 | 0 | 0 | 0 | 0 | 535 | 547 | 0 | 0 | 1082 | 759 | 0 | 1893 | 0 | 2652 | 0 | 1139 | 1650 | 0 | 2789 | 6523 | 0 |
| Apprch % | 0.0% | 0.0% | 0.0% | 0.0% | | 49.4% | 50.6% | 0.0% | 0.0% | | 28.6% | 0.0% | 71.4% | 0.0% | | 0.0% | 40.8% | 59.2% | 0.0% | | | |
| Total % | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 8.2% | 8.4% | 0.0% | 0.0% | 16.6% | 11.6% | 0.0% | 29.0% | 0.0% | 40.7% | 0.0% | 17.5% | 25.3% | 0.0% | 42.8% | 100.0% | |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-008 Greenville Road-Altamont Pass Road.ppd

Date : 9/11/2014

Unshifted Count = All Vehicles

| AM PEAK HOUR | Southbound | | | | | Altamont Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Altamont Pass Road Eastbound | | | | | Total |
|---|------------|------|-------|--------|-----------|------------------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|------------------------------|------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 97 | 97 | 0 | 0 | 194 | 14 | 0 | 10 | 0 | 24 | 0 | 4 | 172 | 0 | 176 | 394 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 112 | 84 | 0 | 0 | 196 | 5 | 0 | 12 | 0 | 17 | 0 | 6 | 205 | 0 | 211 | 424 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 87 | 71 | 0 | 0 | 158 | 12 | 0 | 7 | 0 | 19 | 0 | 9 | 219 | 0 | 228 | 405 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 71 | 47 | 0 | 0 | 118 | 8 | 0 | 11 | 0 | 19 | 0 | 2 | 262 | 0 | 264 | 401 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 367 | 299 | 0 | 0 | 666 | 39 | 0 | 40 | 0 | 79 | 0 | 21 | 858 | 0 | 879 | 1624 |
| % App Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 55.1% | 44.9% | 0.0% | 0.0% | 49.4% | 0.0% | 50.6% | 0.0% | 0.0% | 2.4% | 97.6% | 0.0% | | | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .819 | .771 | .000 | .000 | .849 | .696 | .000 | .833 | .000 | .823 | .000 | .583 | .819 | .000 | .832 | .958 |

| PM PEAK HOUR | Southbound | | | | | Altamont Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Altamont Pass Road Eastbound | | | | | Total |
|---|------------|------|-------|--------|-----------|------------------------------|-------|-------|--------|-----------|----------------------------|-------|-------|--------|-----------|------------------------------|------|-------|--------|-----------|-------|
| | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | LEFT | THRU | RIGHT | UTURNS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 2 | 13 | 0 | 0 | 15 | 100 | 0 | 241 | 0 | 341 | 0 | 136 | 25 | 0 | 161 | 517 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 85 | 0 | 252 | 0 | 337 | 0 | 142 | 34 | 0 | 176 | 522 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 2 | 10 | 0 | 0 | 12 | 112 | 0 | 255 | 0 | 367 | 0 | 138 | 20 | 0 | 158 | 537 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 2 | 7 | 0 | 0 | 9 | 95 | 0 | 233 | 0 | 328 | 0 | 144 | 18 | 0 | 162 | 499 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 6 | 39 | 0 | 0 | 45 | 392 | 0 | 981 | 0 | 1373 | 0 | 560 | 97 | 0 | 657 | 2075 |
| % App Total | 0.0% | 0.0% | 0.0% | 0.0% | 0.0% | 13.3% | 86.7% | 0.0% | 0.0% | 28.6% | 0.0% | 71.4% | 0.0% | 0.0% | 85.2% | 14.8% | 0.0% | | | | |
| PHF | .000 | .000 | .000 | .000 | .000 | .750 | .750 | .000 | .000 | .750 | .875 | .000 | .962 | .000 | .935 | .000 | .972 | .713 | .000 | .933 | .966 |

ALL TRAFFIC DATA

City of Livermore
 All Vehicles on Unshifted
 Peds & Bikes on Bank 1
 Nothing on Bank 2

(916) 771-8700

orders@atdtraffic.com

File Name : 14-7542-008 Greenville Road-Altamont Pass Road.ppd

Date : 9/11/2014

Bank 1 Count = Peds & Bikes

| AM PEAK HOUR | Southbound | | | | | Altamont Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Altamont Pass Road Eastbound | | | | | Total |
|---|------------|------|-------|------|-----------|------------------------------|------|-------|------|-----------|----------------------------|------|-------|------|-----------|------------------------------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 07:00 to 08:00 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 07:00 | | | | | | | | | | | | | | | | | | | | | |
| 07:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 07:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .000 |

| PM PEAK HOUR | Southbound | | | | | Altamont Pass Road Westbound | | | | | Greenville Road Northbound | | | | | Altamont Pass Road Eastbound | | | | | Total |
|---|------------|------|-------|------|-----------|------------------------------|------|-------|------|-----------|----------------------------|------|-------|------|-----------|------------------------------|------|-------|------|-----------|-------|
| | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | LEFT | THRU | RIGHT | PEDS | APP.TOTAL | |
| Peak Hour Analysis From 16:30 to 17:30 | | | | | | | | | | | | | | | | | | | | | |
| Peak Hour For Entire Intersection Begins at 16:30 | | | | | | | | | | | | | | | | | | | | | |
| 16:30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16:45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| 17:00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| 17:15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Volume | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 3 |
| % App Total | 0.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | 100.0% | 0.0% | 0.0% | | | 0.0% | 0.0% | 0.0% | | | |
| PHF | .000 | .000 | .000 | | .000 | .000 | .000 | .000 | | .000 | .375 | .000 | .000 | | .375 | .000 | .000 | .000 | | .000 | .375 |