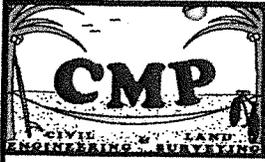


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## TRAFFIC ANALYSIS



**CMP Civil Engineering & Land Surveying**

**1607 Capell Valley Road**

**Napa, CA 94558**

**(707) 815-0988**

**Cameron@CMPEngineering.com**

**CMPEngineering.com**



Traffic Flow Calculations  
for the  
Caldwell Vineyard Winery

Located at:  
270 Kreuzer Lane  
Napa, CA 94558

Date: 1/20/2017

Rev: 5/31/2017

Project # 00193

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Napa County Planning, Building  
& Environmental Services

**Legend**

Requires Input

Automatically Calculates

Important Value Automatically Calculates

Important Value Requires Input

Hit ctrl+alt+shift+F9 when finished to recalc all formulas

## Existing Winery Traffic Information/ Trip Generation Sheet

### Traffic During a Typical Weekday

|   |       | FACTOR  | DAILY TRIPS  |                      |
|---|-------|---------|--------------|----------------------|
| NUMBER OF FT EMPLOYEES =                            | 2     | 3.05    | 6.10         |                      |
| NUMBER OF PT EMPLOYEES=                             | 1     | 1.9     | 1.90         |                      |
| AVE. # WEEK DAY VISITORS=                           | 8     | 1.3     | 6.15         |                      |
| GALLONS OF PRODUCTION=                              | 25000 | 55555.6 | 0.45         |                      |
| <b>TOTAL=</b>                                       |       |         | <b>14.60</b> |                      |
| (# OF FT EMP)+(# OF PT EMP/2)+(VIS+TRK TRIPS X.38)= |       |         | <b>5.01</b>  | <b>PM PEAK TRIPS</b> |

### Traffic During a Typical Saturday

|  | # PEOPLE | FACTOR | DAILY TRIPS  |                      |
|--|----------|--------|--------------|----------------------|
| # OF FT EMPL (ON SAT) =                            | 2        | 3.05   | 6.10         |                      |
| # OF PT EMPL (ON SAT)=                             | 1        | 1.9    | 1.90         |                      |
| AVE. # SATURDAY VISITORS=                          | 8        | 1.4    | 5.71         |                      |
| <b>TOTAL=</b>                                      |          |        | <b>13.71</b> |                      |
| (# OF FT EMP)+(# OF PT EMP/2)+(VISTOR TRIPS X.57)= |          |        | <b>5.76</b>  | <b>PM PEAK TRIPS</b> |

### Traffic During a Crush Saturday

|                              |       | FACTOR  | DAILY TRIPS  |  |
|------------------------------|-------|---------|--------------|--|
| # OF FT EMPL (ON SAT) =      | 2     | 3.05    | 6.10         |  |
| # OF PT EMPL (ON SAT)=       | 1     | 1.9     | 1.90         |  |
| AVE. # SATURDAY VISITORS=    | 8     | 1.4     | 5.71         |  |
| GALLONS OF PRODUCTION=       | 25000 | 55555.6 | 0.45         |  |
| AVE ANNUAL TON GRPE ON HAUL= | 175   | 72      | 2.43         |  |
| <b>TOTAL=</b>                |       |         | <b>16.59</b> |  |

### Largest Marketing Event- Additional Traffic

|                                |    | FACTOR | TRIPS        |  |
|--------------------------------|----|--------|--------------|--|
| # OF EVENT STAFF (LRG EV)=     | 4  | 2      | 8.00         |  |
| # OF VISITORS (LRG EV)=        | 56 | 1.4    | 40.00        |  |
| # SPCL EVNT TRCK TRPS (LRG EV) | 6  | 2      | 12.00        |  |
| <b>TOTAL=</b>                  |    |        | <b>60.00</b> |  |

## Proposed Winery Traffic Information/ Trip Generation Sheet

### Max Traffic During a Weekday

|   |       | FACTOR  | DAILY TRIPS  |                                   |
|---|-------|---------|--------------|-----------------------------------|
| NUMBER OF FT EMPLOYEES =  | 6     | 3.05    | 18.30        |                                   |
| NUMBER OF PT EMPLOYEES=   | 6     | 1.9     | 11.40        |                                   |
| AVE. # WEEK DAY VISITORS=   | 60    | 1.3     | 46.15        |                                   |
| GALLONS OF PRODUCTION=  | 35000 | 55555.6 | 0.63         |                                   |
| <b>TOTAL=</b>   |       |         | <b>76.48</b> |                                   |
| $(\# \text{ OF FT EMP})+(\# \text{ OF PT EMP}/2)+(\text{VIS}+\text{TRK TRIPS} \times .38)=$ |       |         |              | <b>26.78</b> <b>PM PEAK TRIPS</b> |

### Max Traffic During a Saturday

|   | # PEOPLE | FACTOR | DAILY TRIPS  |                                   |
|---|----------|--------|--------------|-----------------------------------|
| # OF FT EMPL (ON SAT) =   | 6        | 3.05   | 18.30        |                                   |
| # OF PT EMPL (ON SAT)=  | 6        | 1.9    | 11.40        |                                   |
| AVE. # SATURDAY VISITORS=   | 60       | 1.4    | 42.86        |                                   |
| <b>TOTAL=</b>   |          |        | <b>72.56</b> |                                   |
| $(\# \text{ OF FT EMP})+(\# \text{ OF PT EMP}/2)+(\text{VISTOR TRIPS} \times .57)=$ |          |        |              | <b>33.43</b> <b>PM PEAK TRIPS</b> |

### Max Traffic During a Crush Saturday

|                              |       | FACTOR  | DAILY TRIPS  |  |
|------------------------------|-------|---------|--------------|--|
| # OF FT EMPL (ON SAT) =      | 6     | 3.05    | 18.30        |  |
| # OF PT EMPL (ON SAT)=       | 6     | 1.9     | 11.40        |  |
| AVE. # SATURDAY VISITORS=    | 60    | 1.4     | 42.86        |  |
| GALLONS OF PRODUCTION=       | 35000 | 55555.6 | 0.63         |  |
| AVE ANNUAL TON GRPE ON HAUL= | 245   | 72      | 3.40         |  |
| <b>TOTAL=</b>                |       |         | <b>76.59</b> |  |

### Largest Marketing Event- Additional Traffic

|                                |     | FACTOR | TRIPS         |  |
|--------------------------------|-----|--------|---------------|--|
| # OF EVENT STAFF (LRG EV)=     | 8   | 2      | 16.00         |  |
| # OF VISITORS (LRG EV)=        | 100 | 1.4    | 71.43         |  |
| # SPCL EVNT TRCK TRPS (LRG EV) | 8   | 2      | 16.00         |  |
| <b>TOTAL=</b>                  |     |        | <b>103.43</b> |  |