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TRAFFIC ANALYSIS



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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

RECEIVED

JUL 25 2017

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	
TOTAL=			14.60	
$(\# \text{ OF FT EMP}) + (\# \text{ OF PT EMP} / 2) + (\text{VIS} + \text{TRK TRIPS} \times 3.8) =$				5.01 PM PEAK TRIPS

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	
TOTAL=			13.71	
$(\# \text{ OF FT EMP}) + (\# \text{ OF PT EMP} / 2) + (\text{VISTOR TRIPS} \times 5.7) =$				5.76 PM PEAK TRIPS

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	
TOTAL=			16.59	

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	
TOTAL=			60.00	

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	
TOTAL=			76.48	
$(\# \text{ OF FT EMP})+(\# \text{ OF PT EMP}/2)+(\text{VIS}+\text{TRK TRIPS} \times 38)=$				26.78 PM PEAK TRIPS

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	
TOTAL=			72.56	
$(\# \text{ OF FT EMP})+(\# \text{ OF PT EMP}/2)+(\text{VISTOR TRIPS} \times 57)=$				33.43 PM PEAK TRIPS

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	
TOTAL=			76.59	

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	
TOTAL=			103.43	