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Traffic Calculations

Shed Creek Winery Use Permit P16-00327 and
Use Permit Exception to the Conservation Regulations P17-00178
Planning Commission Hearing November 15, 2017



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Traffic Calculations
 for the
Shed Creek Winery

Located at:
 80 Grapevine Lane
 Napa, CA 94558

Date: 11/2/2015
 Rev: 5/27/2016

Project # 00066

<u>Legend</u>
Requires Input
Automatically Calculates
Important Value Automatically Calculates
Important Value Requires Input

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

Winery Traffic Information/ Trip Generation Sheet

Traffic During a Typical Weekday

		FACTOR	DAILY TRIPS
NUMBER OF FT EMPLOYEES =	1	3.05	3.05
NUMBER OF PT EMPLOYEES=	0	1.9	0.00
AVE. # WEEK DAY VISITORS=	6	1.3	4.62
GALLONS OF PRODUCTION=	5000	55555.6	0.09
		TOTAL=	7.76
(# OF FT EMP)+(# OF PT EMP/2)+(VIS+TRK TRIPS X.38)=			2.79

PM PEAK TRIPS

Traffic During a Typical Saturday

	# OF PEOPL	FACTOR	DAILY TRIPS
# OF FT EMPL (ON SAT) =	1	3.05	3.05
# OF PT EMPL (ON SAT)=	1	1.9	1.90
AVE. # SATURDAY VISITORS=	8	1.4	5.71
		TOTAL=	10.66
(# OF FT EMP)+(# OF PT EMP/2)+(VISTOR TRIPS X.57)=			4.76

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)=	2	1.9	3.80
AVE. # SATURDAY VISITORS=	15	1.4	10.71
GALLONS OF PRODUCTION=	5000	55555.6	0.09
AVE ANNUAL TON GRPE ON HAUL=	33.33	72	0.46
		TOTAL=	21.17

Largest Marketing Event- Additional Traffic

		FACTOR	TRIPS
# OF EVENT STAFF (LRG EV)=	8	2	16.00
# OF VISITORS (LRG EV)=	92	1.4	65.71
# SPCL EVNT TRCK TRPS (LRG EV)	3	2	6.00
		TOTAL=	87.71

Grapevine Lane Total Traffic Information / Trip Generation Sheet

Traffic During a Typical Weekday

		FACTOR	DAILY TRIPS
RESIDENTIAL TRAFFIC	4	5	20.00
WINERY TRAFFIC	1	Sht 1	7.76
MISCELANEOUS TRAFFIC	0	1	0.00
TOTAL=			27.76

Traffic During a Typical Saturday

		FACTOR	DAILY TRIPS
RESIDENTIAL TRAFFIC	4	4	16.00
WINERY TRAFFIC	1	Sht 1	10.66
MISCELANEOUS TRAFFIC	0	1	0.00
TOTAL=			26.66

Traffic During a Crush Saturday

		FACTOR	DAILY TRIPS
RESIDENTIAL TRAFFIC	4	4	16.00
WINERY TRAFFIC	1	Sht 1	21.17
MISCELANEOUS TRAFFIC	0	1	0.00
TOTAL=			37.17

Traffic During a Crush Saturday & Winery Marketing Event

		FACTOR	DAILY TRIPS
RESIDENTIAL TRAFFIC	4	4	16.00
WINERY TRAFFIC	1	Sht 1	108.88
MISCELANEOUS TRAFFIC	0	1	0.00
TOTAL=			124.88

455' SITE DISTANCE

DRIVER
LOCATION

380' SITE DISTANCE

NORTH FACING - SOUTH BOUND TRAFFIC SIGHT DISTANCE IMAGE



SOUTH FACING - NORTH BOUND TRAFFIC SIGHT DISTANCE IMAGE

