



CRANE TRANSPORTATION GROUP

TRAFFIC AND TRANSPORTATION PLANNING AND ENGINEERING

November 28, 2007

Ms. Demae Rubins, AICP
Summit Engineering
463 Aviation Boulevard, #200
Santa Rosa, CA 94503
707-527-0775 x166
fax (916) 379-6219

**Re: Determination of Existing and Post-Expansion AM and PM Peak Hour Trip
Generation for the Proposed Mumm Winery Production Expansion**

Dear Ms. Rubins:

At your request, Crane Transportation Group (CTG) has conducted a study to determine the existing, and post-winery production expansion, AM and PM peak hour trip generation at Mumm Winery in Napa County, California. Work tasks have included weekday AM and PM peak period traffic counts at the Mumm Winery driveway on Silverado Trail to determine the ambient traffic weekday AM and PM peak hours and Saturday peak hour. Then, Mumm staff have assisted CTG in determining existing activity during the Silverado Trail ambient peak hours, as well as increases in activity due to the proposed expansion of winery production. All data has been presented on trip generation tables by time of day, according to the seasons of winery activity, including all seasons of the year.

I. PROPOSED PROJECT

Mumm Napa Valley has produced world class sparkling wine in the *methode Champenoise* at the project site since obtaining a use permit in 1987 for grape receiving, production, aging, bottling, selling and shipping of 500,000 gallons of sparkling wine annually as well as for public tasting and tours. Mumm Napa Valley would like the ability to increase production to 850,000 gallons per year and to add 2,250 feet to a public viewing deck. The proposed production expansion will require upgrading the existing process wastewater treatment facility, expanding the sanitary sewage leach field, as well as the addition of two new storage sheds totaling 3,710 square feet, an expansion that leaves the total floor area of the facility within the previously permitted square footage. For traffic analysis purposes, the potential for traffic increases pertains to increases in employees and truck shipping and deliveries at the Mumm Winery.

II. RESULTS OF TRIP GENERATION FOR EXISTING AND FUTURE (POST-EXPANSION) WEEKDAY AM and PM AND SATURDAY PEAK HOUR TRAFFIC

Weekday AM and PM peak period (7:00 – 9:00 and 4:00-6:00) traffic counts were conducted by Crane Transportation Group on Friday, October 19 and Saturday, October 20, 2007 at the Mumm Winery driveway intersection with Silverado Trail. The peak traffic hour of the highway was 7:45 – 8:45 AM and 4:00 to 5:00 PM on the Friday count day, and from 3:00 – 4:00 PM on the Saturday count day.

CTG interviewed Mumm staff¹ to determine the major seasons characterizing all activities at the winery. There are three periods distinguished by varying levels of staff trips and truck trips to and from the winery: August through September Harvest, March through July Tirage (bottling), and October through February (non-Harvest, non-Tirage). Tables 1 through 6 detail existing and proposed activity levels.

¹ Rob McNeill, management, Lorenzo Vega, Anthony Bazzano and Tamra Lotz, operations, winemaking and production, and Keith Collard, finance.

III. PROPOSED WINERY WEEKDAY AM and PM PEAK HOUR and SATURDAY NET NEW PEAK HOUR TRIPS

Based upon the findings provided in Tables 1 through 6, the 350,000 gallon production increase would result in, during any one-hour peak period: 1 inbound employee trip and 5 two-way truck trips on a weekday morning, 2 outbound employee trips and no increased truck trips on a weekday afternoon, and 1 outbound employee trip (no increased truck trips) on a Saturday afternoon.

We thank you for the opportunity to conduct this study and stand ready to assist in responding to any questions from County staff regarding our survey findings.

Sincerely,

A handwritten signature in cursive script that reads "Mark D. Crane".

Mark D. Crane, P.E.
Principal

Table 1

WINERY OPERATIONS—EMPLOYEES
WEEKDAY AM PEAK HOUR TRIP GENERATION (7:45-8:45)

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Winery Production	4		5		4		5		4		5	
Cellar/Storage ¹												
Administration	10		10		10		10		10		10	
Sales ²												
Bottling ³	17		17						24		24	
Winery Grounds Maintenance ⁴												
TOTAL	31		32		14		15		38		39	

Source: Mumm Winery

Compiled by: Crane Transportation Group

¹ Cellar/storage employees arrive at 6 AM and the majority depart before 4:00 PM.

² All sales occur off-site.

³ Bottling employees arrive as early as 6 AM and the majority depart before 4:00 PM.

⁴ Maintenance workers arrive at 6 AM and the majority depart by 3:30 PM.

Table 2

**WINERY OPERATIONS—TRUCKS (TRUCK LOADS) *
WEEKDAY AM PEAK HOUR TRIP GENERATION (7:45-8:45)**

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Grape Importation					6	4	10	7				
Tanker Trucks (Bulk Liquids)					1	1	1	1				
Pomace Disposal					1	1	1	1				
Bottle Delivery and Finished Transport to Storage	1	1	1	1	1	1	1	1	1	1	1	1
Corks/Labels, etc.									2	2	2	2
UPS/FedEx/Garbage/Mail Other (detail)	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	2	2	2	2	10	8	14	11	4	4	4	4

* Truck "round trips": are shown as an inbound trip in the left column and an outbound trip in the adjacent (right) column for Existing and Post Project conditions during Non-Harvest, Harvest and Bottling time periods.

Source: Mumm Winery
Compiled by: Crane Transportation Group

Table 3

WINERY OPERATIONS—EMPLOYEES **WEEKDAY PM PEAK HOUR TRIP GENERATION (4:00-5:00)**

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Winery Production		4		5		6		7		4		5
Cellar/Storage ⁵												
Administration		10		10		10		10		10		10
Sales ⁶												
Bottling ⁷		4		4		4		4		4		4
Winery Grounds Maintenance ⁸		1		2		1		2		1		2
TOTAL		19		21		21		23		19		21

Source: Mumm Winery

Compiled by: Crane Transportation Group

⁵ Cellar/storage employees arrive at 6 AM and the majority depart before 4:00 PM.⁶ All sales occur off-site.⁷ Most bottling employees before 4:00 PM.⁸ Most maintenance depart by 3:30 PM

Table 4

**WINERY OPERATIONS—TRUCKS (TRUCK LOADS) *
WEEKDAY PM PEAK HOUR TRIP GENERATION (4:00-5:00)**

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Grape Importation					2	2	3	3				
Tanker Trucks (Bulk Liquids)												
Pomace Disposal					1	1	1	1				
Bottle Delivery and Finished Transport to Storage												
Corks/Labels, etc.												
UPS/FedEx/Garbage/Mail Other (detail)	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL	1	1	1	1	4	4	5	5	1	1	1	1

* Truck "round trips": are shown as an inbound trip in the left column and an outbound trip in the adjacent (right) column for Existing and Post Project conditions during Non-Harvest, Harvest and Bottling time periods.

Source: Mumm Winery
Compiled by: Crane Transportation Group

Table 5

WINERY OPERATIONS—EMPLOYEES
SATURDAY PM PEAK HOUR TRIP GENERATION (3:00-4:00)

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Winery Production						2		3		1		1
Cellar/Storage					2	3	2	3		1		1
Administration												
Sales												
Bottling												
Winery Grounds Maintenance		2				2		2		2		2
TOTAL		2			2	7	2	8		4		4

Source: Mumm Winery
Compiled by: Crane Transportation Group

Table 6

**WINERY OPERATIONS—TRUCKS (TRUCK LOADS) *
SATURDAY PM PEAK HOUR TRIP GENERATION (3:00-4:00)**

DESCRIPTION	October - February NON HARVEST/ NON BOTTLING				August - September HARVEST				March - July (Tirage) BOTTLING			
	EXISTING		POST-PROJECT		EXISTING		POST-PROJECT		EXISTING		POST-PROJECT	
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
Grape Importation					3	2	4	3				
Tanker Trucks (Bulk Liquids)						1		1				
Pomace Disposal					1	1	1	1				
Bottle Delivery and Finished Transport to Storage												
Corks/Labels, etc.												
UPS/FedEx/Garbage/Mail Other (detail)												
TOTAL					4	4	5	5				

* Truck "round trips": are shown as an inbound trip in the left column and an outbound trip in the adjacent (right) column for the Saturday Harvest time period.

Source: Mumm Winery
Compiled by: Crane Transportation Group

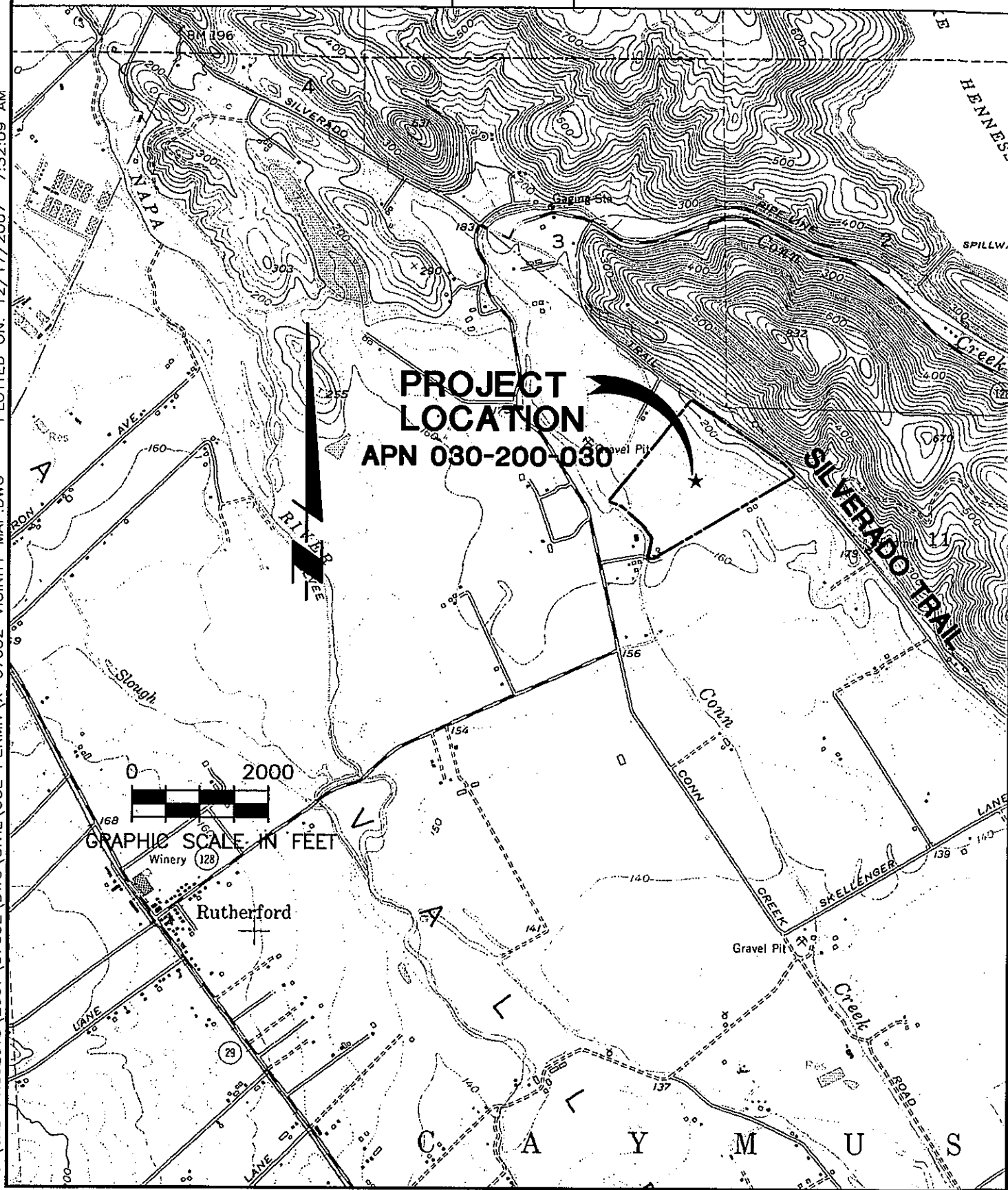
**MUMM NAPA VALLEY
8455 SILVERADO TRAIL
RUTHERFORD, CALIFORNIA
APN 030-200-030**



VICINITY MAP

PROJECT NO. 2007052 DATE 11-02-07
BY RC CHK DR SHT NO 1 OF 1

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