Appendix G

Existing Traffic Diversion to the Proposed Yerba Buena Road Extension

Table G-1
Existing Traffic Diversion to Yerba Buena Extension

				Daily		AM Peak Hour				PM Peak Hour			
Existing Use	Size	units	Source	rate	trips	rate	in	out	total	rate	in	out	total
Evergreen Valley College	10,700	students	2	1.2	12,840	0.12	1,053	231	1,284	0.12	822	462	1,284
Diversion to Yerba Buena Ext.	4%		3		514		42	9	51		33	18	51
Neighborhood Shopping Center	62,000	s.f.	1	120.0	7,440	4.80	179	119	298	13.20	409	409	818
(NE corner San Felipe/Yerba Buena)													
pass-by trip reduction				(25%)							(102)	(103)	(205)
			Net New Trips				179	119	298		307	306	613
Diversion to Yerba Buena Ext.	8%		4				14	10	24		25	24	49
Residential (CSJ TAZs 421, 423 & 427)	1,613	d.u.	1	9.9	15,969	0.99	559	1,038	1,597	0.99	1,038	559	1,597
(area bounded by Murillo, Ruby and Aborn)													
Diversion to Yerba Buena Ext.	1%		5				6	10	16		10	6	16
Total Traffic Diversion to Yerba Buena Extension							***62***	***29***	***91***		***68***	***48***	***116***

Sources: /1/ "Common Vehicular Trip Generation Rates for the San Jose Area", City of San Jose, March 1994.
/2/ ITE *Trip Generation,* Seventh Edition, 2003. Land Use 540, Junior/Community College.
/3/ Per 2000 Census, neighborhood bounded by Murillo Avenue, Ruby Avenue, and Aborn Road includes about 5% of total households in Evergreen. Assume 80% of EVC trips to/from this area divert to Yerba Buena Extension.
/4/ Neighborhood bounded by Murillo Avenue, Ruby Avenue, and Aborn Road is estimated to generate about 10% of total shopping center trips. Assume 80% of shopping center trips to/from this area divert to Yerba Buena Extension.
/5/ Estimate 2% of trips generated by this neighborhood are to/from residences or schools in neighborhood south of Aborn and east of San Felipe (CSJ TAZs 403, 407, 409 & 410). Assume 50% of these trips divert to Yerba Buena Extension.