Memorandum

Date:

May 20, 2015

To:

Los Altos Citywide Parking Committee

From:

Parking Ratios Subcommittee

Subject:

Corrections to June 2, 2009 F&P Memo on Los Altos Office and Retail Parking Standards

The desire to have a good, sound, factual foundation for our review of parking ratios for the City of Los Altos, prompted us to review available studies. We initially noticed a significant anomaly in the data presented in the subject memo. The peak parking demand at Village Court appeared inconsistent with other data in the study. Review revealed the reason for the anomaly: while the entire parking lot was counted, the area of only one of the two buildings served by the parking counts was used to calculate the ratio. We annotated the subject memo with related corrections.

Our goal was to revise as little of the memo as possible, and to follow the same methodology employed in the original study. We reviewed our corrections with Planning Director, James Walgren on May 4th. In response to that review we made a revision to the seasonal adjustment, suggested by James. Subsequently, we provided the revised annotated copy of the memo with related corrections to the full Committee on May 6, 2015.

As a follow-up to James Walgren's e-mail to the Committee on May 7th, with the focus on Foothill Crossings, we looked at the F&P memo in greater detail. We found that areas of buildings were omitted at Foothill Plaza (Crossings) as well as from Village Court. Therefore, we have revised our corrections to this memo once again. Please see attached.

The City Council relied upon information and recommendations in the June 2, 2009 F&P memo when they considered revising the office and retail parking standards. While our subcommittee has not yet completed our review sufficiently to make recommendations for parking ratios, we want our recommendations to be based upon sound facts, from several locations. We will be using the corrected F&P Memo, as well as reviewing other relevant studies, to make well-founded conclusions.

Parking Ratios Subcommittee: David Rock, Mark Rogge

Attachment: Revised Annotated June 2, 2009 F&P Memo



Note: 2015 Los Altos Parking Committee recommended corrections shown in annotation

MEMORANDUM

Date:

June 2, 2009

Revised 5/19/15

To:

James Walgren, City of Los Altos

From:

Joe Fernandez and Sohrab Rashid

Subject:

Los Altos Office and Retail Parking Standards

SJ07-993

This memorandum documents our review of office and retail parking standards for the City of Los Altos. The purpose of this study is to determine if changes to the City's parking standards for office and retail uses are justified. A brief summary of the key findings is provided below, followed by a detailed description of the study approach and results.

SUMMARY

The study includes three main components:

- determine the parking demand characteristics at existing office and retail sites in the City of Los Altos,
- · review parking standards for nearby cities and industry-standard rates, and
- · recommend changes, if appropriate, to the City's parking standards.

Parking occupancy counts were conducted at three office sites and three retail sites in Los Altos. Table 1 shows that significant variation occurred in the parking demand at the individual sites, but on average the demand was well below the supply required by the Los Altos Municipal Code.

TABLE 1: PARKING DEMAND SUMMARY See Addendum							
	Observed P	eak Demand (Code-Required Supply				
	Site 1	Site 2	Site 3	Average	(spaces/1,000 square feet) ²		
Office Sites	11.82	2.081	2.57	22.001	4		
Retail Sites	3.744	2.21	25.98Q	33.82	5		

See "A" See "B"

Source: Fehr & Peers, 2007

A review of parking standards for nearby jurisdictions shows a range of 3.33 to 4.44 spaces required per 1,000 square feet (s.f.) of office uses and a range of 4 to 5.56 spaces required per

for stand-alone buildings

Demand is based on mid-week counts conducted October 18 & 20, 2007. The highest demand observed on either day is presented for each site. The average is the average peak of all surveyed days.

^{2.} Los Altos Municipal Code §14.74.080, 14.74.100.



Jurisdiction	Office Rate (per 1,000 s.f.)	Retail Rate (per 1,000 s.f.)
Los Altos ²	4	5
Cupertino ³	3.51	4
Mountain View ⁴	3.33	4
Palo Alto ⁵	4	5
Redwood City ⁶	3.33 – 4	5
Sunnyvale ⁷	4.44	4.44 - 5 - 5.56
Rates in Special Districts		Te de la constante de la const
Los Altos ²	5	N/A
Palo Alto ⁵	3.22 - 3.33	4.17
Redwood City ⁶	3.33	N/A

Notes:

- 1 Rates for intensive retail uses reported when differentiated from extensive uses.
- 2 Los Altos Municipal Code §14.74.080, 14.74.090, 14.74.100. Special districts are OA-1, OA-4.5, and CN.
- 3 Cupertino Municipal Code §19.100.040.
- 4 Mountain View City Code §36.37.040.
- Palo Alto Municipal Code §18.83.050. Special district office rates for buildings in the California Avenue (3.22) and LM (3.33) districts.
- Redwood City Zoning Code §30.2.2. Office rates for buildings generating less than 100 trips (4) and 100 or more trips (3.33) during the PM peak period.
- Sunnyvale Municipal Code §19.46.050. Retail rates for shopping centers smaller than 20,000 s.f. (5.56), 20,000 50,000 s.f. (5), and larger than 50,000 s.f. (4.44).

Sources: Codes retrieved online, October 19, 2007.

Comparison to Industry-Standard Rates

ITE's Parking Generation and ULI's Shared Parking manuals provide parking supply and demand rates based on surveys of similar land uses across the country. Table 3 summarizes the data provided in these documents.

TABLE 3: INDUSTRY-STANDARD RATES ¹						
	ITE's Parking Gen	eration (3 rd Edition) ²	ULI's Shared Parking (2 nd Edition) ³			
	Average Peak Demand	85 th Percentile Demand	Recommended Supply			
Office Uses	2.84	3.44	3.8			
Retail Uses	3.76	5.06	3.6			

- 1. All units are spaces per 1,000 square feet floor area, and weekday rates are reported.
- 2. Office land use code 701, suburban area. Retail land use code 820 (shopping center), in December.
- Office land use reported for <25,000 s.f. size; rates drop for larger offices. Retail land use is community shopping center, <400,000 s.f., in December.



ITE provides parking demand rates, while ULI provides recommended supply rates. The demand rates are based on the peak occupancy of surveyed parking lots. The average peak demand refers to the average of the maximum demand rates observed at the surveyed sites, while the 85th percentile demand is the point where 85 percent of the surveyed rates are below, and 15 percent of the rates are above it.

The recommended supply is typically estimated by adding a circulation factor to the observed demand. This factor, which varies by land use type, represents the inherent inefficiencies of parking lots and reflects the fact that parking lots are effectively full once 85 to 95 percent of the available spaces are occupied. A circulation factor of 90 percent is commonly applied at office sites because most of the parking is occupied by employees who are familiar with the site, and because employees typically park for a long time, resulting in low levels of parking turnover. A lower circulation factor, typically 85 percent, is applied to retail parking supplies due to large amounts of turnover and because shoppers typically have the flexibility to shop elsewhere if they think that no spaces are available. Accordingly, a parking supply can be equated to parking demand by multiplying the supply by the circulation factor. For example, an office parking lot with a supply of 100 spaces would be expected to accommodate a peak demand of 90 vehicles (90 percent of 100).

ULI's Shared Parking also provides demand rates by month of the year, based on surveys of shopping centers throughout the country. The parking demand for retail uses peaks during the December shopping season. Retail parking demand during December is about 30 percent higher than during October. Parking demand for office uses is consistent throughout the year, with little variation from month to month.

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Conclusions See footnote #4 on page 2.

Both the ITE and ULI rates presented above represent conditions on a weekday in December. In October, surveys from ULI's *Shared Parking* show that parking demand at retail uses is about 70 percent of the demand in December. Office parking demand is the same in October and December.

Because retail parking demand is approximately 30 percent higher in December than October, it is likely that the surveyed retail sites would experience higher parking demand during December than what we observed in the field in October. Increasing the average observed peak demand of 3.82 (from Table 1) by 30 percent yields a demand of 5 spaces per 1,000 s.f. This, in conjunction with the rates from nearby jurisdictions and the industry-standard rates, suggests that the current parking standard for retail uses is appropriate, and there is little justification to change the retail parking requirements. We do not recommend any changes to the retail parking requirements.

No such disparity between October and December parking demand is expected for offices, which experience consistent demand levels throughout the year. The highest parking demand at the three surveyed locations was 2.57 spaces per 1,000 s.f. A supply rate of 2.86 spaces per 1,000 s.f. would accommodate this demand, assuming a 90 percent circulation factor (2.86*.90=2.57). This rate is well below the rates required by nearby jurisdictions as well as the industry-standard rates, so we do not recommend using it directly, but instead suggest adding a 0.5 space per 1,000 s.f. buffer to this rate to account for potential higher demand rates at unsurveyed sites. This yields a supply rate of 3.33 spaces per 1,000 s.f., which is within the range of rates for nearby jurisdictions and industry standard publications. We recommend changing the parking requirement for offices to 3.33 spaces per 1.000 square feet.

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⁵ Appropriate increase should be 15% (not 30%) per 2013 CDM/Smith parking study in Los Altos, modified for retail

^{6.} Increasing the correct average observed peak demand of 2.79 by 15% yields a demand of 3.21 spaces per 1.000 s.f. of retail use

⁷ The current retail parking requirement of 5 spaces per 1 000 s.f. is higher than what is justified by the study. See Addenda. The recommendation should have been to change the parking requirement for retail to 3 60 spaces per 1,000 s.f. retail.

⁸ Using a 90° circulation factor, 2.01 divided by .90 yields 2.3 spaces per 1.000 s.f. office

⁹ Conclusions should be drawn upon the completed study rather than "unsurveyed sites." To accommodate the highest demand

found in Los Aitos, the average could be increased to 2.50 spaces per 1.000 sif of office use at stand-alone sites

^{15.} The recommendation should have been to change the parking requirement for offices to 2.50 spaces per 1,000 s f



APPENDIX: Data Summary Raw Counts

A.

Los Altos Parking Summary

Office Sites	Survey Dates	Peak Occupancy	Peak Demand	Corrected Peak Demand
Packard Foundation	10/17/2007	32	1.55	1.50
200 Second Street	10/18/2007	39	1.89	1.82
Multi-tenant office building	10/17/2007	159	2.08	2 01
5150 El Camino Real	10/18/2007	157	2.05	
Real estate offices	10/17/2007	84	2.57	
161 & 167 So. San Antonio Rd.	10/18/2007	72	2.20	
		Average peak Min Max	2.06 1.55 2.57	2.01

See C. for corrected areas, which result in corrected Peak Demand.

Also see the Addendum, which combines Tables A, B, and C. for clarity.

Retail Sites	Survey Dates	Peak Occupancy	Peak Demand	Corrected Peak Demand	
Foothill Plaza 2310 & 2350 Homestead Rd.	10/18/2007 10/20/2007	248 225	4.74 4.3	3 74 3 39	f-11
Elephant Pharmacy 4470 El Camino Real	10/18/2007 10/20/2007	21 31	1.5 2.21		
Village Court Shopping Center 4546 El Camino Real	10/18/2007 10/20/2007	220 153	5.98 4.16	3 49 2 43	f-12
		Average peak Min	3.82 1.5	2 79	
				3 74	

See C. for corrected areas, which result in corrected Peak Demand.

Also, see the Addendum, which combines Tables A, B, and C. for clarity.

Note: The City encourages mixed uses in Commercial Neighborhood Districts and similar locations. Therefore, parking counts at locations, such as Foothill Plaza and Village Court include restaurants coffee shops, grocery (Trader Joe's) and other uses beyond pure retail.

Footnote 11

Two buildings were not included in the earlier reported area at Foothill Plaza, (also known as Foothill Crossings.) The building containing Peet's Coffee among others, and the building containing Wells Fargo Bank and Starbucks were omitted. The areas of all 3 buildings must be used when counting the parking generated by all 3 buildings.

Footnote 12

A large building was not included in earlier reported area at Village Court. Village Court includes retail, restaurants and office. The lower office use may be offset by the higher restaurant use. The areas of both buildings must be used when counting the parking generated by both buildings

See footnote 4 on page 2.

Office Sites	Bidg area provided to F&P from City	Corrected	
	Size (square feet)	Corrected Size (square feet)	
Packard Foundation 300 Second Street	20,632	21,400	
Multi-tenant office building 5150 El Camino Real	76,400	79.150	
Real estate offices 161 - 167 So. San Antonio Rd.	32,738		
Retail Sites			
Foothill Plaza			
2310 & 2350 Homestead Rd.	52,315		
22356 & 22390 Homestead Rd	14,041	66.356	f-11
Elephant Pharmacy 4470 El Camino Real	14,004		
Village Court Shopping Center	20.000	63.012	
4546 El Camino Real	36,800	03.012	1-12

Corrected areas (s.f.) per tax-payer/Title Company records.

See the Addendum, which combines Tables A. B. and C. for clarity.

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Two buildings were not included in the earlier reported area at Foothill Plaza, (also known as Foothill Crossings.) The building containing Peet's Coffee among others, and the building containing Wells Fargo Bank and Starbucks were omitted. The areas of all 3 buildings must be used when counting the parking generated by all 3 buildings.

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See footnote 4 on page 2

	161-167 San Antonio		DATE:10-17-07		RECORDER:	MARWIN	
		SEVILLE	FINANCIAL	HANDICAPPED	UNMARKED	LOWER LEVEL	TOTAL
	# SPACES	41	41	2	6	39	129
	9:00	15	11	0	1	9	36
	9:30	17	17	0	2	11	47
	10:00	21	21	0	2	10	54
	10:30	17	19	0	4	12	52
	11:00	18	20	0	2	12	52
	11:30	21	24	0	3	13	61
	12:00	27	20	0	4	12	63
	12:30	24	22	0	3	15	64
	1:00	24	26	0	4	17	71
	1:30	22	24	0	5	14	65
	2:00	26	24	0	5	14	69
	2:30	26	22	0	6	17	71
	3:00	35	27	0	3	19	84
	161-167 San Antonio		DATE:10-18-07		RECORDER:	MARWIN	
	161-167 San Antonio	SEVILLE	DATE:10-18-07 FINANCIAL	HANDICAPPED			TOTAL
	161-167 San Antonio # SPACES	41	FINANCIAL 41	2	UNMARKED 6	LOWER LEVEL 39	TOTAL 129
	# SPACES 9:00	41 11	FINANCIAL 41 9	0	UNMARKED 6 1	LOWER LEVEL 39 8	129 29
	# SPACES	41 11 15	FINANCIAL 41 9 14	2	UNMARKED 6 1 6	LOWER LEVEL 39 8 9	129 29 44
£	# SPACES 9:00 9:30 10:00	41 11 15 18	FINANCIAL 41 9 14 16	2 0 0 0	UNMARKED 6 1 6 6	8 9 10	29 44 50
£	# SPACES 9:00 9:30 10:00 10:30	41 11 15 18 20	FINANCIAL 41 9 14 16 15	2 0 0	UNMARKED 6 1 6 6 6	8 9 10 12	129 29 44 50 53
£	# SPACES 9:00 9:30 10:00 10:30 11:00	41 11 15 18 20 22	9 14 16 15	2 0 0 0	UNMARKED 6 1 6 6 6 6 3	8 9 10 12 12	129 29 44 50 53 56
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30	41 11 15 18 20 22 20	9 14 16 15 19 23	2 0 0 0 0 0	UNMARKED 6 1 6 6 6 6 3 4	8 9 10 12 12 14	129 29 44 50 53 56 61
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00	41 11 15 18 20 22 20 24	9 14 16 15 19 23	2 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3	8 9 10 12 12 14 12	129 29 44 50 53 56 61 59
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30	41 11 15 18 20 22 20 24 22	9 14 16 15 19 23 20 22	2 0 0 0 0 0	UNMARKED 6 1 6 6 6 6 3 4 3 4	8 9 10 12 12 14 12 10	129 29 44 50 53 56 61 59 58
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00	41 11 15 18 20 22 20 24 22 23	9 14 16 15 19 23 20 22 24	2 0 0 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3 4 5	8 9 10 12 12 14 12 10 15	129 29 44 50 53 56 61 59 58 67
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30	41 11 15 18 20 22 20 24 22 23 25	9 14 16 15 19 23 20 22	2 0 0 0 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3 4 5 4	8 9 10 12 12 14 12 10 15 17	29 44 50 53 56 61 59 58 67 72
	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00 1:30 2:00	41 11 15 18 20 22 20 24 22 23 25 31	9 14 16 15 19 23 20 22 24 26 17	2 0 0 0 0 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3 4 5 4 6	8 9 10 12 12 14 12 10 15 17	129 29 44 50 53 56 61 59 58 67 72 66
## ## ## ## ## ## ## ## ## ## ## ## ##	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00 1:30 2:00 2:30	41 11 15 18 20 22 20 24 22 23 25 31 27	FINANCIAL 41 9 14 16 15 19 23 20 22 24 26 17 23	2 0 0 0 0 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3 4 5 4 6 5	8 9 10 12 12 14 12 10 15 17 12 11	29 44 50 53 56 61 59 58 67 72 66 66
29 20 20 20 20 20 20 20 20 20 20 20 20 20	# SPACES 9:00 9:30 10:00 10:30 11:00 11:30 12:00 12:30 1:00 1:30 2:00	41 11 15 18 20 22 20 24 22 23 25 31	9 14 16 15 19 23 20 22 24 26 17	2 0 0 0 0 0 0 0 0	UNMARKED 6 1 6 6 6 3 4 3 4 5 4 6	8 9 10 12 12 14 12 10 15 17	129 29 44 50 53 56 61 59 58 67 72 66

2310-2350 Homest	ead Road						
Foothill Plaza		DATE:10-18-07		RECORDER:	A. LEONARD		
	UNMARKED	10 MIN	WELLS FARGO	MOTORCYCLE	HANDICAP	UNDEFINED	TOTAL
# SPACES	298	3	6	4	9	45	365
11:00	166	2	5	0	3	33	209
11:30	178	2	5	0	2	33	220
12:00	190	2	5	0	5	36	238
12:30	172	3	5	0	3	40	223
1:00	196	2	5	0	4	41	248
1:30	187	3	5	0	3	34	232
2:00	193	2	6	0	5	29	235
2:30	177	2	6	0	6	30	221
3:00	170	3	6	0	6	23	208
3:30	177	3	5	0	4	27	216
4:00	172	3	6	0	3	28	212
Foothill Plaza		DATE:10-20-07		RECORDER:	A. LEONARD		
	UNMARKED	10 MIN	WELLS FARGO	MOTORCYCLE	HANDICAP	LINDEETNIED	TOTAL
# SPACES		TO MITIM	WELLS PARGO	FIGIORCICEE	LIVIADICAL	UNDEFINED	IOIAL
# SPACES	298	3	6	4	9	45	365
11:00	Table 19 Carlot						
	298	3	6	4	9	45	365
11:00	298 196	3	6	4	9	45 16	365 223
11:00 11:30	298 196 190	3	6	4 0 0	9	45 16 19	365 223 222
11:00 11:30 12:00	298 196 190 180	3	6	4 0 0	9	45 16 19 18	365 223 222 212
11:00 11:30 12:00 12:30	298 196 190 180 163	3	6 6 6 6	4 0 0	9	45 16 19 18 19	365 223 222 212 194
11:00 11:30 12:00 12:30 1:00	298 196 190 180 163 192	3	6 6 6 6	4 0 0	9	45 16 19 18 19 17	365 223 222 212 194 222
11:00 11:30 12:00 12:30 1:00 1:30	298 196 190 180 163 192 178	3	6 6 6 6 6	4 0 0	9	45 16 19 18 19 17	365 223 222 212 194 222 205
11:00 11:30 12:00 12:30 1:00 1:30 2:00	298 196 190 180 163 192 178	3	6 6 6 6 6 6	4 0 0	9	45 16 19 18 19 17 19	365 223 222 212 194 222 205 219
11:00 11:30 12:00 12:30 1:00 1:30 2:00 2:30	298 196 190 180 163 192 178 191	3	6 6 6 6 6 6	4 0 0	9	45 16 19 18 19 17 19 19	365 223 222 212 194 222 205 219 222

Apparently the "UNDEFINED" spaces are those at the rear of the building near Foothill.

4470 El Camino Real

Elephant Pharm	lephant Pharm D		-07	
	UNMARKED	HANDICAP	T	DTAL
# SPACES	65		3	68
11:00	15		0	15
11:30	9		0	9
12:00	15		0	15
12:30	21		0	21
1:00	18		1	19
1:30	19		1	20
2:00	17		1	18
2:30	16		0	16
3:00	17		0	17
3:30	16		0	16
4:00	15		0	15
Elenhant Pharm		DATE: 10-20-	.07	

Elephant Pharm		DATE: 10-20	-07	
	UNMARKED	HANDICAP	Т	OTAL
# SPACES	65		3	68
11:00	25		0	25
11:30	31		0	31
12:00	24		0	24
12:30	9		0	9
1:00	26		0	26
1:30	20		0	20
2:00	21		0	21
2:30	25		0	25
3:00	21		0	21
3:30	25		0	25
4:00	14		0	14

4546 El Camino Real

Village Court DATE: 10		TE:10-18-0	7 REC	RECORDER JIM LEONARD		
	UNMARKE[15	MIN HE	RITAGE 30 I	MIN HAN	DICAP TO	TAL
# SPACES	266	3	10	2	4	285
11:00	142	1	1	1	0	145
11:30	163	1	1	2	1	168
12:00	185	2	3	3	2	195
12:30	200	3	3	3	1	210
1:00	212	2	3	1	2	220
1:30	190	2	2	1	1	196
2:00	154	2	1	2	1	160
2:30	140	1	2	1	0	144
3:00	127	1	2	1	0	131
3:30	124	2	1	2	1	130
4:00	125	1	1	2	1	130

Village Cou	irt DA	ATE:10-2	0-07	RECORDER	JIM LEONA	RD
	UNMARKE[15	MIN	HERITAGE	30 MIN	HANDICAP	TOTAL
# SPACES	266	3	10	2	4	285
11:00	106	1	1	1	0	109
11:30	106	1	2	2	1	112
12:00	116	3	4	2	1	126
12:30	113	3	5	1	1	123
1:00	144	3	3	1	2	153
1:30	140	2	3	1	1	147
2:00	128	1	2	2	0	133
2:30	88	1	2	1	0	92
3:00	88	1	1	1	1	92
3:30	80	1	1	2	1	85
4.00	70	1	1	2	1	75

5150 ECR	DA	DATE:10-17-07		
U	NMARKED	HANDICAP	TOTAL	
# SPACES	290	4	294	
9:00	68	0	68	
9:30	91	0	91	
10:00	106	0	106	
10:30	119	0	119	
11:00	134	0	134	
11:30	132	0	132	
12:00	129	0	129	
12:30	125	1	126	
1:00	127	0	127	
1:30	131	0	131	
2:00	134	0	134	
2:30	148	0	148	
3:00	159	0	159	

5150 ECR	D	ATE:10-18-0	7
l	UNMARKED	HANDICAP	TOTAL
# SPACES	290	4	294
9:00	64	0	64
9:30	73	0	73
10:00	99	0	99
10:30	114	0	114
11:00	126	0	126
11:30	131	0	131
12:00	137	0	137
12:30	138	0	138
1:00	144	0	144
1:30	141	0	141
2:00	146	0	146
2:30	151	0	151
3:00	157	0	157

300 2nd S	treet						
PACKARD	D/	ATE:10-17-07	REG	CORDERHA	RVEY		
	UNMARKET VI	SITOR HAN	DICAP UN	MARKEE MAI	L VAN HA	NDICAP TOT	AL
# SPACES		10	1	63	1	3	85
9:00	5	1	0	20	0	0	26
9:30	5	3	0	21	0	0	29
10:00	5	3	0	21	0	0	29
10:30		2	0	22	0	0	28
11:00		3	0	22	0	0	28
11:30		4	0	21	0	0	30
12:00		3	0	22	0	0	28
12:30		3	0	22	0	0	29
1:00		3	0	21	0	0	28
1:30		4	0	21	0	0	29
2:00		6	0	22	0	0	32
2:30		6	0	22	0	0	32
3:00	4	5	0	22	0	0	31
5.00	7	3	U	22	U	U	31
					-	O	31
PACKARD	DA	ATE:10-18-07	REC	CORDER HAP	RVEY		
PACKARD	DA UNMARKEC VI	ATE:10-18-07 SITOR HAN	REC	CORDER HAF MARKEI MAI	RVEY	NDICAP TOT	AL
PACKARD # SPACES	DA UNMARKEC VI 7	ATE:10-18-07 SITOR HAN 10	REO DICAP UNI 1	CORDER HAR MARKEI MAI 63	RVEY L VAN HA 1	NDICAP TOT 3	AL 85
PACKARD # SPACES 9:00	DA UNMARKEI VI 7 7	ATE:10-18-07 SITOR HAN 10 7	REC DICAP UNI 1 0	CORDER HAR MARKEL MAI 63 21	RVEY L VAN HA 1	NDICAP TOT	AL 85 35
# SPACES 9:00 9:30	DA UNMARKEI VI 7 7 7	ATE:10-18-07 SITOR HAN 10 7 7	REC DICAP UNI 1 0 0	CORDER HAR MARKEI MAI 63 21 22	RVEY L VAN HA 1 0 0	NDICAP TOT 3 0 0	AL 85 35 36
# SPACES 9:00 9:30 10:00	DA UNMARKEC VI 7 7 7 7	ATE:10-18-07 SITOR HAN 10 7 7 7	REC DICAP UNI 1 0 0 0	CORDER HAR MARKEI MAI 63 21 22 22 23	RVEY L VAN HA 1 0 0 0	NDICAP TOT 3 0 0 0	85 35 36 39
# SPACES 9:00 9:30 10:00 10:30	DA UNMARKEC VI 7 7 7 7 7	ATE:10-18-07 SITOR HAN 10 7 7 7 9 8	REC DICAP UNI 1 0 0 0	CORDER HAR MARKEI MAI 63 21 22 23 23 24	RVEY L VAN HA 1 0 0 0 0	NDICAP TOT 3 0 0 0 0	85 35 36 39 39
# SPACES 9:00 9:30 10:00 10:30 11:00	DA UNMARKET VI 7 7 7 7 7 7 5	ATE:10-18-07 SITOR HAN 10 7 7 9 8 8	REC DICAP UNI 1 0 0 0 0 0	CORDER HAR MARKEI MAI 63 21 22 23 24 25	RVEY L VAN HA 1 0 0 0 0 0	NDICAP TOT 3 0 0 0 0 1	85 35 36 39 39 39
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Los Altos Office and Retail Parking Standards

Addenda to June 2, 2009 F&P Memo

5/14/15

This table combines Appendix A, B, and C, in one table, with calculations to support corrections Note that calculations are for stand-alone sites. These should be reduced for shared parking uses.

A. Office Sites

C.

		Area	Survey	Peak Occupancy	Corrected Peak Demand
	Location	Square Feet	Dates	Spaces	Spaces/1,000 SF
	Packard Foundation	21,400	10/17/07	32	1.50
	200 Second Street		10/18/07	39	1.82
	Multi-tenant office bldg.	79,150	10/17/07	159	2.01
	5150 El Camino Real		10/18/07	157	1.98
				~ ~	
	Real Estate offices	32,738	10/17/07	84	2.57
	161 & 167 San Antonio Rd.		10/18/07	72	2.20
	Totals	122 200			2.01
	Totals	133,288		Average peak	
				Min.	1.50
	(No seasonal correction for office)		en er sol sen w	Max.	2.57
		Average Peak (or	Parking Ratio
	Circulation Factor increase	2.01	0.90		2.23
R	Retail Sites				
Б.	Foothill Plaza total	66,356	10/18/07	248	3.74
	2310 & 2350 Homestead Rd.	52,315	10/10/07	225	3.39
	22356 & 22390 Homestead	14,041	10/20/07	223	3.33
	22330 & 22330 Homestead	14,041			
	Elephant Pharmacy	14,004	10/18/07	21	1.50
	4470 El Camino Real	and a Companie	10/20/07	31	2.21
	Village Court Shopping Center	63,012	10/18/07	220	3.49
	4546 El Camino Real		10/20/07	153	2.43
	Totals	209,728		Average peak	2.79
				Min.	1.5
				Max.	3.74
	Seasonal Correction	Average Peak	Oct. to Dec.	Increase amt.	Total
	Increase from Oct. to Dec.	2.79	15.00%	0.42	3.21
		C	Circulation Fact	or	Parking Ratio
	Circulation Factor increase	3.21	0.90	ĺ	3.57

Area by building

Lcn. Address	Major Tenants	Area in Sq. ft.	% of Reported Area
Foothill Plaza		18103 - 81 2780	
2310 Homestead Rd.	Trader Joe's etc.	29,902	57%
2350 Homestead Rd.	Rite Aid, Chain Reaction	22,413	43%
Subtotal	Previously Reported	52,315	100%
22356 Homestead Rd.	Peets, Subway, etc.	7,257	14%
22390 Homestead Rd.	Wells Fargo, Starbucks	6,784	13%
Subtotal	Previously Omitted	14,041	27%
Total Foothill Plaza or Foothi	ll Crossings	66,356	<u>127</u> %