

**Appendix B:**  
**Buildout Parking Demand Worksheets**

Weekday Estimated Peak-Hour Parking Demand – Buildout for June Calculated for Overall Downtown																			Peak Hours for morning, afternoon, and evening			
	6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	12 AM	11 AM	1 PM	8 PM
CommunityShoppingCenter(<400ksf)	7	34	103	241	447	585	654	688	654	620	620	620	620	654	551	344	207	69	-	585	688	551
Employee	24	36	96	180	204	228	240	240	240	240	240	228	228	228	216	180	96	36	-	228	240	216
Fine/CasualDiningRestaurant	-	-	-	-	112	298	558	558	484	298	372	558	707	745	745	745	707	558	186	298	558	745
Employee	-	32	81	121	145	145	145	145	145	121	121	161	161	161	161	161	161	137	56	145	145	161
FamilyRestaurant	121	242	290	362	411	435	483	435	242	217	217	362	386	386	386	290	266	242	121	435	435	386
Employee	53	79	95	95	105	105	105	105	105	79	79	100	100	100	100	84	68	68	37	105	105	100
CineplexWeekday	-	-	-	-	-	-	40	89	109	109	109	119	119	159	198	198	159	129	79	-	89	198
Employee	-	-	-	-	-	-	10	12	12	15	15	20	20	20	20	20	20	14	10	-	12	20
PerformingArtsTheater	-	-	-	6	6	6	6	6	6	6	6	6	6	152	608	608	-	-	-	6	6	608
Employee	-	16	16	32	32	32	47	47	47	47	47	47	47	158	158	158	47	16	8	32	47	158
HealthClub	16	9	9	16	16	19	14	16	16	16	19	21	23	21	19	16	8	2	-	19	16	19
Employee	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-	1	1	1
Hotel-Leisure	231	231	219	194	170	170	158	158	170	170	182	194	207	207	219	231	231	243	243	170	158	219
Employee	3	20	62	62	68	68	68	68	68	68	62	48	27	14	14	14	14	7	4	68	68	14
ResidentialGuest	-	48	95	95	95	95	95	95	95	95	95	191	286	477	477	477	477	382	239	95	95	477
Office100to500ksf	-	1	15	45	75	34	11	34	75	34	11	8	4	2	1	-	-	-	-	34	34	1
Employee	25	248	620	785	826	826	744	744	826	826	744	413	207	83	58	25	8	-	-	826	744	58
Non-EmployeeDemand	375	565	731	959	1,332	1,642	2,019	2,079	1,851	1,565	1,631	2,079	2,358	2,803	3,204	2,909	2,055	1,625	868	1,642	2,079	3,204
EmployeeDemand	106	432	971	1,276	1,381	1,405	1,360	1,362	1,444	1,397	1,309	1,018	902	765	728	642	414	278	115	1,405	1,362	728
TotalDemand	481	997	1,702	2,235	2,713	3,047	3,379	3,441	3,295	2,962	2,940	3,097	3,260	3,568	3,932	3,551	2,469	1,903	983	3,047	3,441	3,932

Weekend Estimated Peak-Hour Parking Demand – Buildout for June Calculated for Overall Downtown																			Peak Hours for morning, afternoon, and evening			
	6AM	7AM	8AM	9AM	10AM	11AM	12PM	1PM	2PM	3PM	4PM	5PM	6PM	7PM	8PM	9PM	10PM	11PM	12AM	11AM	2PM	8PM
CommunityShoppingCenter(<400ksf)	7	34	69	207	344	447	551	620	688	688	654	620	551	516	447	344	241	103	-	447	688	447
Employee	24	36	96	180	204	228	240	240	240	240	240	228	204	192	180	156	108	36	-	228	240	180
Fine/CasualDiningRestaurant	-	-	-	-	-	124	415	456	373	373	373	498	747	788	830	747	747	747	415	124	373	830
Employee	-	37	55	110	137	137	137	137	137	137	137	183	183	183	183	183	183	155	91	137	137	183
FamilyRestaurant	65	163	294	458	588	588	654	556	425	261	294	392	458	458	425	196	163	98	65	588	425	425
Employee	70	105	126	126	140	140	140	140	140	105	105	133	133	133	133	112	91	91	49	140	140	133
CineplexWeekend	-	-	-	-	-	-	99	224	273	273	273	298	298	398	497	497	497	398	248	-	273	497
Employee	-	-	-	-	-	-	14	16	16	20	20	27	27	27	27	27	27	19	14	-	16	27
PerformingArtsTheater	-	-	-	7	7	7	7	112	448	448	7	7	7	167	668	668	-	-	-	7	448	668
Employee	-	16	16	32	32	32	47	158	158	158	47	47	158	158	158	158	47	16	8	32	158	158
HealthClub	16	9	7	10	7	10	10	6	5	6	11	20	19	12	6	2	-	-	-	10	5	6
Employee	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-	-	-	-	-	-	-	-
Hotel-Leisure	257	257	243	216	189	189	176	176	189	189	203	216	230	230	243	257	257	270	270	189	189	243
Employee	2	15	44	44	49	49	49	49	49	49	44	36	29	27	27	27	22	22	15	49	49	27
ResidentialGuest	-	95	95	95	95	95	95	95	95	95	95	191	286	477	477	477	477	382	239	95	95	477
Office100to500ksf	-	2	5	6	7	8	7	6	5	3	2	1	-	-	-	-	-	-	-	8	5	-
Employee	-	17	50	66	75	83	75	66	50	33	17	8	4	-	-	-	-	-	-	83	50	-
Non-EmployeeDemand	345	560	713	999	1,237	1,468	2,014	2,251	2,501	2,336	1,912	2,243	2,596	3,046	3,593	3,188	2,382	1,998	1,237	1,468	2,501	3,593
EmployeeDemand	96	226	387	558	637	669	702	806	790	742	611	663	739	721	708	663	478	339	177	669	790	708
TotalDemand	441	786	1,100	1,557	1,874	2,137	2,716	3,057	3,291	3,078	2,523	2,906	3,335	3,767	4,301	3,851	2,860	2,337	1,414	2,137	3,291	4,301

**Buildout Land Use Input by TAZ**

TAZ	Residential	Commercial	Office	Cinema	Theater	Hotel	Health	Dining
140	191	67,000	63,960	-	-	20	-	10,000
141	160	150,000	90,000	-	-	20	5,400	32,000
142	216	-	2,000	-	-	-	-	-
143	86	70,000	1,000	780	-	-	-	10,000
144	95	16,000	-	-	-	-	-	5,000
145	77	11,000	2,000	-	-	-	-	2,000
146	-	35,000	37,000	2,199	500	130	-	38,000
147	90	40,000	34,000	-	2,000	-	-	29,000
148	160	28,000	25,000	-	-	-	-	-
164	82	-	-	-	-	-	-	-
166	-	-	-	-	-	-	-	-
167	36	-	2,000	-	-	-	-	-
176	265	20,000	16,000	-	-	-	-	-
336	215	-	-	-	-	-	-	-
337	220	45,000	8,000	-	-	130	-	12,000
338	62	-	-	-	-	-	-	-
339	36	56,000	33,000	-	-	-	-	16,000
344	318	18,000	7,260	-	-	-	-	2,000
352	49	-	-	-	-	-	-	-
354	22	-	-	-	-	-	-	-
355	5	-	-	-	-	-	-	-
<b>TOTAL</b>	<b>2,385</b>	<b>556,000</b>	<b>321,220</b>	<b>2,979</b>	<b>2,500</b>	<b>300</b>	<b>5,400</b>	<b>156,000</b>

Land Use	Quantity		Max Parking Spaces		Mode Adjustment				Linked Trip Adjustment			
			Weekday	Weekend	Weekday		Weekend		Weekday		Weekend	
					Daytime	Evening	Daytime	Evening	Daytime	Evening	Daytime	Evening
Commercial/Service/Shop	556,000	sf GLA	1,334	1,334	90%	90%	90%	90%	85%	85%	85%	85%
Employee			334	334	90%	90%	90%	90%	100%	100%	100%	100%
Fine/Casual Dining Restaurant	78,000	sf GLA	1,022	1,139	90%	90%	90%	90%	85%	85%	85%	85%
Employee			179	203	90%	90%	90%	90%	100%	100%	100%	100%
Family Restaurant	78,000	sf GLA	663	897	90%	90%	90%	90%	85%	85%	85%	85%
Employee			117	156	90%	90%	90%	90%	100%	100%	100%	100%
Cineplex	2,979	seats	566	775	90%	90%	90%	90%	95%	95%	95%	95%
Employee			30	30	90%	90%	90%	90%	100%	100%	100%	100%
Performing Arts Theater	2,500	seats	750	825	100%	100%	100%	100%	90%	90%	90%	90%
Employee			175	175	90%	90%	90%	90%	100%	100%	100%	100%
Health Club	5,400	sf GLA	36	30	100%	100%	100%	100%	100%	100%	100%	100%
Employee			2	1	90%	90%	90%	90%	100%	100%	100%	100%
Hotel-Leisure	300	rooms	270	300	100%	100%	100%	100%	100%	100%	100%	100%
Employee			76	54	90%	90%	90%	90%	100%	100%	100%	100%
Residential	2,385	units	0	0	100%	100%	100%	100%	100%	100%	100%	100%
Reserved	0	sp/unit	0	0	100%	100%	100%	100%	100%	100%	100%	100%
Guest	2,385	units	477	477	100%	100%	100%	100%	100%	100%	100%	100%
Office	321,220	sf GLA	75	8	100%	100%	100%	100%	100%	100%	100%	100%
Employee			918	92	90%	90%	90%	90%	100%	100%	100%	100%
Subtotal Customer/Guest Spaces			5,193	5,785								
Subtotal Employee			1,831	1,045								
<b>Total Parking Spaces</b>			7,024	6,830								

Spaces required per unit land use					
Land Use	Weekday		Weekend		Unit
	Visitor	Employee	Visitor	Employee	
Commercial/Service/Shop	2.40	0.60	2.40	0.60	/ksf GLA
Fine/Casual Dining Restaurant	13.10	2.30	14.60	2.60	/ksf GLA
Family Restaurant	8.50	1.50	11.50	2.00	/ksf GLA
Cineplex	0.19	0.01	0.26	0.01	/seat
Performing Arts Theater	0.30	0.07	0.33	0.07	/seat
Hotel-Leisure	0.90	0.25	1.00	0.18	/room
Residential	0.20	0.00	0.20	0.00	/unit
Office	0.22	2.62	0.02	0.26	/ksf GLA

Monthly Adjustments for Customer/Visitor Parking													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Late Dec
Commercial/Service/Shop	56%	57%	64%	63%	66%	67%	64%	69%	64%	66%	72%	100%	80%
Restaurants	85%	86%	95%	92%	96%	95%	98%	99%	91%	96%	93%	100%	95%
Cineplex Weekdays	27%	21%	20%	19%	27%	41%	55%	40%	15%	15%	25%	23%	100%
Cineplex Weekends	71%	59%	67%	58%	71%	75%	85%	75%	51%	62%	78%	67%	100%
Performing Arts Theater	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	100%	100%
Hotel-Leisure	90%	100%	100%	100%	90%	90%	100%	100%	75%	75%	75%	50%	100%
Residential	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Office	100%	100%	100%	100%	100%	100%	95%	95%	100%	100%	100%	100%	80%

Monthly Adjustments for Employee/Resident Parking													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Late Dec
Commercial/Service/Shop	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	90%	100%	90%
Restaurants	95%	95%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Cineplex Weekdays	50%	50%	50%	50%	50%	75%	75%	75%	50%	50%	50%	50%	100%
Cineplex Weekends	80%	80%	80%	80%	80%	100%	100%	90%	80%	80%	80%	80%	100%
Performing Arts Theater	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Hotel	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Residential	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Office	100%	100%	100%	100%	100%	100%	95%	95%	100%	100%	100%	100%	80%

Time-of-Day Factors for Weekday Demand																				
		6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	12 AM
Commercial/Service/Shop	Customer	1%	5%	15%	35%	65%	85%	95%	100%	95%	90%	90%	90%	90%	95%	80%	50%	30%	10%	0%
December	Customer	1%	5%	15%	30%	55%	75%	90%	100%	100%	100%	95%	85%	80%	75%	65%	50%	30%	10%	0%
Late December	Customer	1%	5%	10%	20%	40%	65%	90%	100%	100%	100%	95%	85%	70%	55%	40%	25%	15%	5%	0%
	Employee	10%	15%	40%	75%	85%	95%	100%	100%	100%	100%	100%	95%	95%	95%	90%	75%	40%	15%	0%
Fine/Casual Dining Restaurant	Customer	0%	0%	0%	0%	15%	40%	75%	75%	65%	40%	50%	75%	95%	100%	100%	100%	95%	75%	25%
	Employee	0%	20%	50%	75%	90%	90%	90%	90%	90%	75%	75%	100%	100%	100%	100%	100%	100%	85%	35%
Family Restaurant	Customer	25%	50%	60%	75%	85%	90%	100%	90%	50%	45%	45%	75%	80%	80%	80%	60%	55%	50%	25%
	Employee	50%	75%	90%	90%	100%	100%	100%	100%	100%	75%	75%	95%	95%	95%	95%	80%	65%	65%	35%
Cineplex - Typical	Customer	0%	0%	0%	0%	0%	0%	20%	45%	55%	55%	55%	60%	60%	80%	100%	100%	80%	65%	40%
Late December	Customer	0%	0%	0%	0%	0%	0%	35%	60%	75%	80%	80%	80%	70%	80%	100%	100%	85%	70%	55%
	Employee	0%	0%	0%	0%	0%	0%	50%	60%	60%	75%	75%	100%	100%	100%	100%	100%	100%	70%	50%
Performing Arts Theater	Customer				1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	25%	100%	100%			
	Employee		10%	10%	20%	20%	20%	30%	30%	30%	30%	30%	30%	100%	100%	100%	100%	30%	10%	5%
Hotel-Leisure	Guest	95%	95%	90%	80%	70%	70%	65%	65%	70%	70%	75%	80%	85%	85%	90%	95%	95%	100%	100%
Residential	Resident	100%	90%	85%	80%	75%	70%	65%	70%	70%	70%	75%	85%	90%	97%	98%	99%	100%	100%	100%
	Guest	0%	10%	20%	20%	20%	20%	20%	20%	20%	20%	20%	40%	60%	100%	100%	100%	100%	80%	50%
Office	Visitor	0%	1%	20%	60%	100%	45%	15%	45%	100%	45%	15%	10%	5%	2%	1%	0%	0%	0%	0%
	Employee	3%	30%	75%	95%	100%	100%	90%	90%	100%	100%	90%	50%	25%	10%	7%	3%	1%		
Time-of-Day Factors for Weekend Demand																				
		6 AM	7 AM	8 AM	9 AM	10 AM	11 AM	12 PM	1 PM	2 PM	3 PM	4 PM	5 PM	6 PM	7 PM	8 PM	9 PM	10 PM	11 PM	12 AM
Commercial/Service/Shop	Customer	1%	5%	10%	30%	50%	65%	80%	90%	100%	100%	95%	90%	80%	75%	65%	50%	35%	15%	0%
December	Customer	1%	5%	10%	35%	60%	70%	85%	95%	100%	100%	95%	90%	80%	75%	65%	50%	35%	15%	0%
Late December	Customer	1%	5%	10%	20%	40%	60%	80%	95%	100%	100%	95%	85%	70%	60%	50%	30%	20%	10%	0%
	Employee	10%	15%	40%	75%	85%	95%	100%	100%	100%	100%	100%	95%	85%	80%	75%	65%	45%	15%	0%
Fine/Casual Dining Restaurant	Customer	0%	0%	0%	0%	0%	15%	50%	55%	45%	45%	45%	60%	90%	95%	100%	90%	90%	90%	50%
	Employee	0%	20%	30%	60%	75%	75%	75%	75%	75%	75%	75%	100%	100%	100%	100%	100%	100%	85%	50%
Family Restaurant	Customer	10%	25%	45%	70%	90%	90%	100%	85%	65%	40%	45%	60%	70%	70%	65%	30%	25%	15%	10%
	Employee	50%	75%	90%	90%	100%	100%	100%	100%	100%	75%	75%	95%	95%	95%	95%	80%	65%	65%	35%
Cineplex - Typical	Customer	0%	0%	0%	0%	0%	0%	20%	45%	55%	55%	55%	60%	60%	80%	100%	100%	100%	80%	50%
Late December	Customer	0%	0%	0%	0%	0%	0%	35%	60%	75%	80%	80%	80%	70%	80%	100%	100%	100%	85%	70%
	Employee	0%	0%	0%	0%	0%	0%	50%	60%	60%	75%	75%	100%	100%	100%	100%	100%	100%	70%	50%
Performing Arts Theater	Customer				1%	1%	1%	1%	17%	67%	67%	1%	1%	1%	25%	100%	100%			
	Employee		10%	10%	20%	20%	20%	30%	100%	100%	100%	30%	30%	100%	100%	100%	100%	30%	10%	5%
Hotel-Leisure	Guest	95%	95%	90%	80%	70%	70%	65%	65%	70%	70%	75%	80%	85%	85%	90%	95%	95%	100%	100%
Residential	Resident	100%	90%	85%	80%	75%	70%	65%	70%	70%	70%	75%	85%	90%	97%	98%	99%	100%	100%	100%
	Guest		20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	40%	60%	100%	100%	100%	100%	80%	50%
Office	Visitor	0%	20%	60%	80%	90%	100%	90%	80%	60%	40%	20%	10%	5%	0%	0%	0%	0%	0%	0%
	Employee	0%	20%	60%	80%	90%	100%	90%	80%	60%	40%	20%	10%	5%	0%	0%	0%	0%	0%	0%

**BUILDOUT MODEL SUMMARY - CALCULATED FOR EACH TAZ INDIVIDUALLY**

TAZ	1 to 2 PM Friday				8 to 9 PM Friday				8 to 9 PM Saturday			
	Effective Supply	Theater at First and Livermore Demand	Theater at Livermore Village Demand	Theater at First and Maple Demand	Effective Supply	Theater at First and Livermore Demand	Theater at Livermore Village Demand	Theater at First and Maple Demand	Effective Supply	Theater at First and Livermore Demand	Theater at Livermore Village Demand	Theater at First and Maple Demand
140	560	359	359	359	485	248	248	248	485	233	233	233
141	630	747	747	747	555	577	577	577	555	548	548	548
142	17	13	13	13	17	43	43	43	17	43	43	43
143	217	229	229	229	217	261	261	261	217	346	346	346
144	93	72	72	72	43	86	86	86	43	88	88	88
145	633	43	43	43	633	43	43	43	633	41	41	41
146	30	629	629	629	30	813	813	813	30	1090	1090	1090
147	218	422	379	379	218	952	340	340	218	1016	355	355
148	267	109	109	152	267	75	75	687	267	63	63	724
164	54	3	3	3	54	16	16	16	54	16	16	16
166	52	0	0	0	52	0	0	0	52	0	0	0
167	111	5	5	5	111	7	7	7	111	7	7	7
176	98	81	81	81	98	84	84	84	98	75	75	75
336	0	9	9	9	0	43	43	43	0	43	43	43
337	144	296	296	296	144	317	317	317	144	332	332	332
338	0	2	2	2	0	12	12	12	0	12	12	12
339	62	295	295	295	62	232	232	232	62	232	232	232
344	383	73	116	73	383	103	715	103	383	98	759	98
352	57	7	7	7	57	10	10	10	57	10	10	10
354	37	3	3	3	37	4	4	4	37	4	4	4
355	37	1	1	1	37	1	1	1	37	1	1	1
Total	3701	3398	3398	3398	3501	3927	3927	3927	3501	4298	4298	4298