



DRAFT MEMORANDUM

Date: Friday, May 29, 2015
To: Steven Mendoza, City of Los Alamitos
From: Michael Sahimi, Fehr & Peers
Subject: City of Los Alamitos Parking Assessment

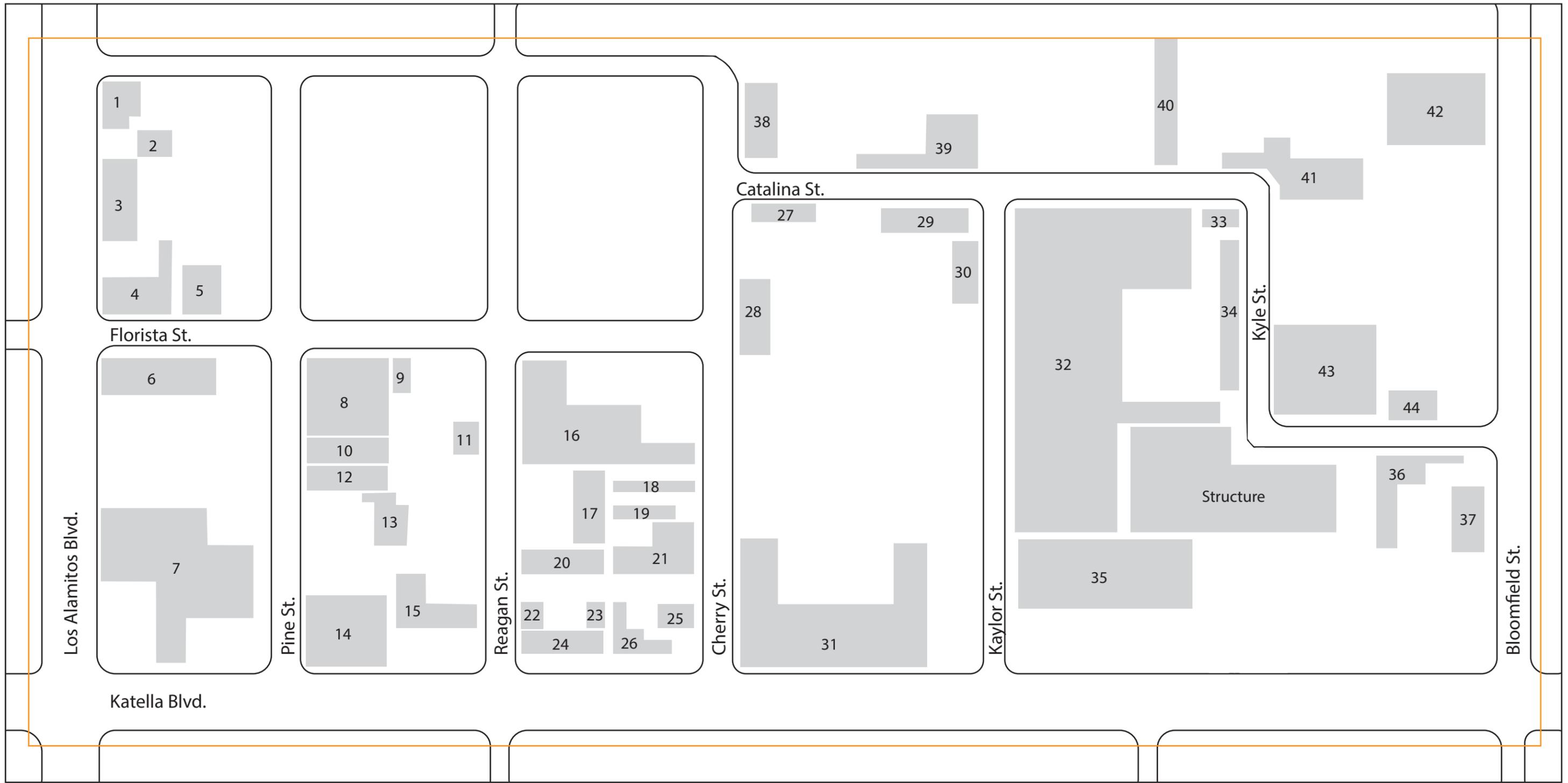
OC15-0388

Fehr & Peers has completed a parking assessment for the City of Los Alamitos. The purpose of this study is provide parking supply and demand information to the City in order to inform any decision making on parking meter installation in the area of Los Alamitos roughly bound by Los Alamitos Boulevard, Katella Avenue, Bloomfield Street, and Catalina Street. This assessment's study area is provided on Figure 1. During the assessment the following observations were noted:

- Some street segments in the study area experience high demand throughout the day. These include portions of Catalina Street, Cherry Street, Reagan Street, and Florista Street.
- On-street parking experiences higher peak demand than off-street parking in most of the study area.
- Demand across the entire study area is highest before 1:00PM and lowest after 4:00PM.
- Parking to the east of the study area generally experiences highest demand during normal business hours serving medical and industrial land uses. Parking to the west of the study area general experiences highest demand in the late morning and early afternoon, which reflects the presence of several restaurants in this area.

The remainder of this memorandum is divided into the following sections:

- Parking Supply
- Parking Demand
- Peak Demand
- Conclusions & Recommendations



LEGEND

-  Study Area
-  # Parking Lot/Structure

Figure 1
Study Area



PARKING SUPPLY

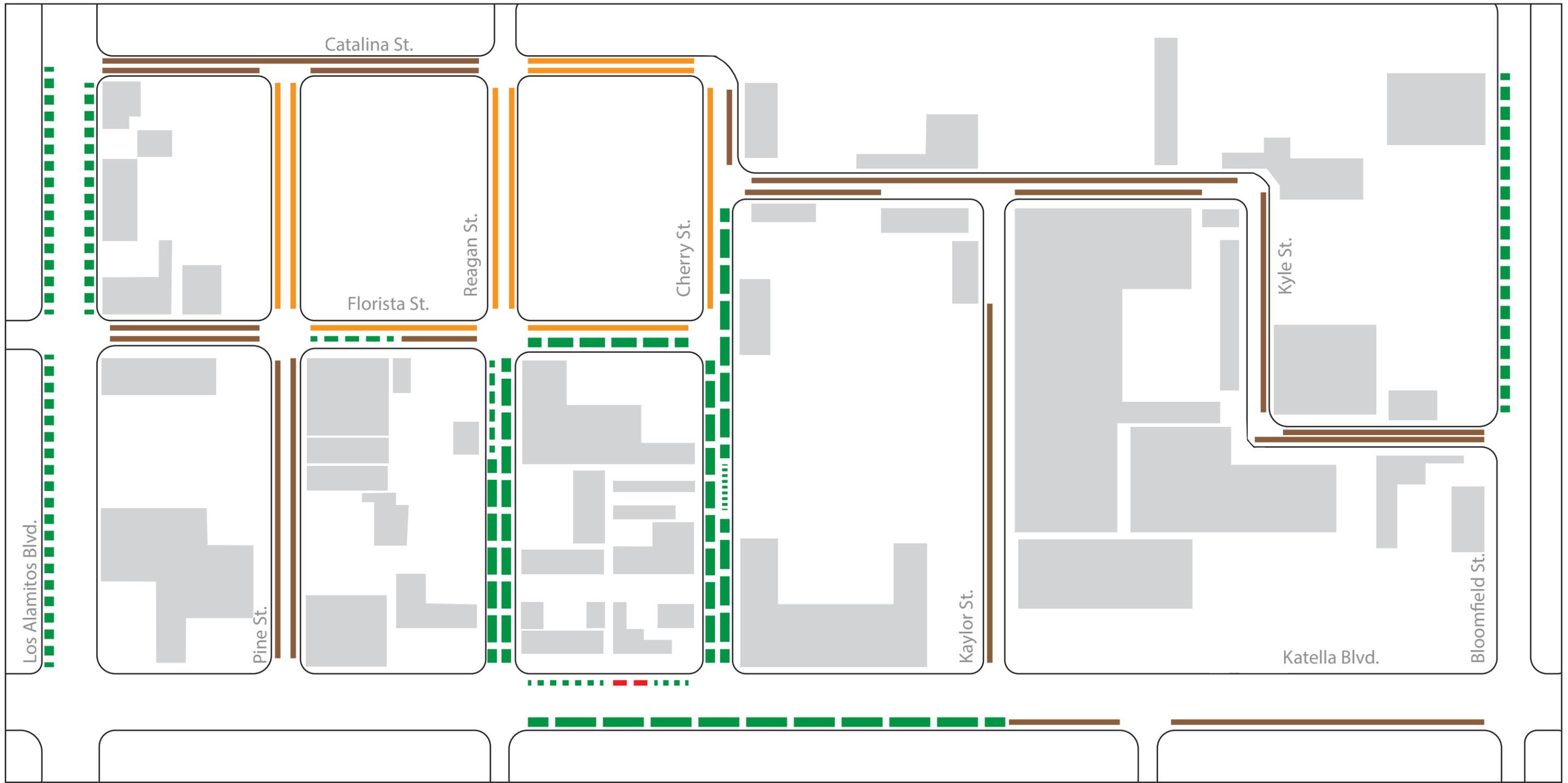
Fehr & Peers conducted a parking inventory of the study area shown on Figure 1 on Wednesday, April 15, 2015. Parking spaces were categorized as either on-street or off-street parking spaces. Furthermore, information regarding permit requirements or time limits was collected for on-street parking spaces. Occupancy sweeps of parking spaces in the study area were conducted hourly from 9:00AM to 8:00PM. Parking inventory count sheets are provided in Appendix A.

On-street and off-street parking supply in the study area is displayed on Figure 2. It should be noted that unmarked on-street parking spaces parallel to the curb were estimated using 22 feet as the standard space size. Also, residential parking spaces (garages and driveways) were not included in the supply inventory.

Based on the supply inventory, 3,350 parking spaces are provided in the study area. Of those, 516 are on-street spaces. The remaining 2,834 are off-street parking spaces, including 1,102 in the structure located on Kyle Street and Florista Street.

Weekday time restrictions and permit requirements for on-street parking in the study area are shown on Figure 3 and summarized below. Additionally, bimonthly street sweeping restrictions exist on portions of Pine, Catalina, Florista, Reagan, and Cherry.

- **Permit Required 6AM-6PM:** This restriction is imposed near residential dwelling units along Pine and Reagan between Florista and Catalina, the north side of Florista between Pine and Cherry, Catalina between Reagan and Cherry, and the west side of Cherry north of Florista.
- **20-Minute Parking:** This restriction is imposed on a small midblock portion on the east side of Cherry.
- **24-Minute Parking 9AM-6PM:** This restriction is imposed on the north side of Katella between Reagan and Cherry.
- **1-Hour Parking:** This restriction is imposed on portions of the south side of Florista between Pine and Reagan and the east side of Reagan south of Florista.
- **2-Hour Parking 7AM-3PM:** This restriction is imposed along Los Alamitos Blvd.
- **2-Hour Parking 8AM-5PM:** This restriction is imposed on the east side of Bloomfield north of Florista.
- **2-Hour Parking 9AM-6PM:** This restriction is imposed along Reagan south of Florista, the south side of Florista between Reagan and Cherry, and along most of Cherry south of Catalina.
- **2-Hour Parking 7AM-6PM:** This restriction is imposed on most parking spaces on the south side of Katella between Cherry and Kaylor.
- **No Parking 12AM-9AM:** This restriction is imposed on a small portion of the north side of Katella between Reagan and Cherry.



LEGEND			
	No Restrictions		2-Hour Parking 7AM-3PM
	Permit Required 6AM-6PM		2-Hour Parking 8AM-5PM
	20-Minute Parking		2-Hour Parking 9AM-6PM
	24-Minute Parking 9AM-6PM		2-Hour Parking 7AM-6PM
	1-Hour Parking		No Parking 12AM-9AM

Figure 3
On-Street Parking Restrictions



PARKING DEMAND

Hourly parking demand for on-street and off-street parking spaces in the study area was determined from the April 2015 occupancy counts and supply inventory provided in Appendix A. Figures B1 through B12 in Appendix B summarize the hourly parking demand from 9AM to 8PM.

Some street segments in the study area experienced high occupancy throughout all or most of the hourly observations.

- Catalina Street between Cherry and Kyle experienced high demand from 9:00AM through 4:00PM, with demand above 80%.
- Cherry Street south of Florista and Catalina experienced high demand from 9:00AM through 4:00PM and again by 8:00PM.
- High parking demand was observed numerous times on Reagan Street south of Florista from 9:00AM through 2:00PM, and again after 7:00PM.
- The south side of Florista Street between Pine and Cherry experienced consistently high occupancy through 2:00PM. The north side of Florista Street between Kyle and Bloomfield experienced high occupancy from 9:00AM through 3:00PM.
- High demand was observed numerous times on Pine Street south of Florista from the morning to the afternoon.

In addition, several lots and street segments in the study area experienced low or very low demand throughout the day.

- The medical parking structure at the corner of Kyle and Florista experienced low occupancy for the morning, late afternoon, and evening hours. Occupancy for the entire day remained under 50%.
- Occupancy on Los Alamitos Boulevard segments is generally low, especially south of Florista. Occupancy was often observed at 0%.
- The parking available on the north side of Katella Avenue (between Reagan and Cherry) was extremely underutilized for all observed hours. Occupancy never surpassed 40%.

In general, parking to the east of the study area experiences its highest demand during normal business hours, serving medical and industrial land uses. Parking lots and on-street parking to the west generally experience highest demand in the late morning and around lunchtime, with some segments such as Reagan Street (south of Florista) again experiencing high occupancy in the evening. Furthermore, streets with parking permit requirements experienced lower occupancy than nearby streets without permit requirements from noon through the afternoon.

The following section of this memo will detail demand and peak demand for the entire study area as well as specific subareas.



PEAK PARKING DEMAND

For purposes of analyzing peak parking demand, the study area has been divided into nine subareas, which are detailed below and displayed on Figure 4.

- **Subarea 1:** This subarea is bound by Catalina to the north, Florista to the south, Pine to the east, and Los Alamitos Blvd. to the west. Parking supply is both on-street and off-street. Land uses in this subarea are primarily retail and residential.
- **Subarea 2:** This subarea is bound by Catalina to the north, Florista to the south, Reagan to the east, and Pine to the west. For the purposes of this study, only on-street parking is analyzed for this subarea. Residential land uses encompass this subarea.
- **Subarea 3:** This subarea is bound by Catalina to the north, Florista to the south, Cherry to the east, and Reagan to the west. For the purposes of this study, only on-street parking is analyzed for this subarea. Residential land uses encompass this subarea.
- **Subarea 4:** This subarea is bound by Florista to the north, Katella to the south, Pine to the east, and Los Alamitos Blvd. to the west. Parking supply is both on-street and off-street. Land uses are retail.
- **Subarea 5:** This subarea is bound by Florista to the north, Katella to the south, Reagan to the east, and Pine to the west. Parking supply is both on-street and off-street. Land uses in this subarea include residential and services such as banking.
- **Subarea 6:** This subarea is bound by Florista to the north, Katella to the south, Cherry to the east, and Reagan to the west. Parking supply is both on-street and off-street. Land uses in this subarea include offices, medical services, and retail.
- **Subarea 7:** This subarea is bound by Catalina to the north, Katella to the south, Kaylor to the east, and Cherry to the west. Parking supply is both on-street and off-street. The Los Alamitos Medical Center and other medical uses encompass this subarea.
- **Subarea 8:** This subarea is bound by Kaylor, Catalina, Kyle, Florista, Bloomfield, and Katella. Parking supply is both on-street and off-street, including a parking structure at Kyle and Florista. Uses in this subarea are primarily medical.
- **Subarea 9:** This subarea is bound by Cherry, Catalina, Kyle, Florista, and Bloomfield and extends to the northern edge of the study area. Parking supply is both on-street and off-street. Land uses in this subarea are primarily industrial.



LEGEND

Analysis Subarea



Figure 4
Analysis Subareas



Table 1 summarizes daily peak demand for on-street, off-street, and total parking spaces for the study area as well as each subarea. Within the study area, daily demand peaks at 61% at noon. Off-street and on-street parking demand peak between 11:00AM and 2:00PM. However, some subareas experience significantly higher peak demand. For example, Subarea 4 has 85% peak occupancy for off-street spaces and 86% peak occupancy for on-street spaces. On-street parking in Subarea 5 is 93% occupied at 11:00AM while on-street parking in Subarea 8 is 93% occupied at 11:00AM and 2:00PM. Within the study area as well as most Subareas, on-street parking experiences higher peak demand. Across the study area and all Subareas, peak demand for all parking types takes place between 10:00AM and 3:00PM.

Table 1: Daily Peak Parking Demand

	Off-Street		On-Street		All Spaces	
Subarea	Demand	Time	Demand	Subarea	Demand	Time
1	68%	11:00AM	68%	12:00PM	66%	11:00AM
2			77%	10:00AM	77%	10:00AM
3			67%	10:00AM	67%	10:00AM
4	85%	1:00PM	86%	12:00PM	83%	1:00PM
5	55%	12:00PM	93%	11:00AM	63%	11:00AM
6	79%	11:00AM	79%	2:00PM	78%	11:00AM
7	73%	3:00PM	91%	2:00PM	76%	3:00PM
8	57%	2:00PM	93%	11:00AM 2:00PM	58%	2:00PM
9	59%	1:00PM	85%	1:00PM	63%	1:00PM
Total Study Area	59%	12:00PM 2:00PM	74%	11:00AM 12:00PM	61%	12:00PM

NOTE: "Total Study Area" peak parking demand combines parking supply and occupancy from all subareas across the study area to obtain demand.
 "Total Study Area" peak occupancy percentage is **not** an average of all subarea percentages.



Table 2 summarizes peak demand in the study area and each subarea from 9:00AM to 12:00PM. Peak occupancy in this time period remains above 60% for the study area and all subareas except for Subarea 8.

Table 2: AM Peak Parking Demand (9AM-12PM)

	Off-Street		On-Street		All Spaces	
Subarea	Demand	Time	Demand	Subarea	Demand	Time
1	68%	11:00AM	68%	12:00PM	66%	11:00AM
2			77%	10:00AM	77%	10:00AM
3			67%	10:00AM	67%	10:00AM
4	81%	12:00PM	86%	12:00PM	83%	12:00PM
5	55%	12:00PM	93%	11:00AM	63%	11:00AM
6	79%	11:00AM	75%	12:00PM	78%	11:00AM
7	68%	11:00AM	83%	11:00AM 12:00PM	72%	11:00AM
8	56%	12:00PM	93%	11:00AM	57%	12:00PM
9	59%	11:00AM	80%	9:00AM 12:00PM	62%	11:00AM 12:00PM
Total Study Area	59%	12:00PM	74%	11:00AM 12:00PM	61%	12:00PM



Table 3 summarizes peak demand in the study area and each subarea from 1:00PM to 4:00PM. For subareas to the east of the study area (Subareas 7, 8, and 9), afternoon peak demand is higher than the morning. For subareas to the west of the study area, afternoon occupancy is generally lower. The lowest peak demand for this time period occurs in Subarea 3, with 44% on-street parking occupancy.

Table 3: Afternoon Peak Parking Demand (1PM-4PM)

Subarea	Off-Street		On-Street		All Spaces	
	Demand	Time	Demand	Subarea	Demand	Time
1	60%	2:00PM 3:00PM	58%	3:00PM	59%	3:00PM
2			61%	2:00PM	61%	2:00PM
3			44%	4:00PM	44%	4:00PM
4	85%	1:00PM	83%	4:00PM	83%	1:00PM
5	51%	3:00PM	68%	1:00PM	53%	1:00PM
6	63%	2:00PM	79%	2:00PM	66%	2:00PM
7	73%	3:00PM	91%	2:00PM	76%	3:00PM
8	57%	2:00PM	93%	2:00PM	58%	2:00PM
9	59%	1:00PM	85%	1:00PM	63%	1:00PM
Total Study Area	59%	2:00PM	69%	2:00PM	60%	2:00PM



Table 4 summarizes demand in the study area and each subarea from 5:00PM to 8:00PM. Demand drops significantly in the study area as well as most subareas. Demand for parking in the eastern half of the study area—generally serving medical and industrial employees—is underutilized. The only subarea with demand exceeding 70% is Subarea 4 (77%). Off-street parking demand for this subarea, due to nighttime diners, is 81% at 6:00PM.

Table 4: PM Peak Parking Demand (5PM-8PM)

Subarea	Off-Street		On-Street		All Spaces	
	Demand	Time	Demand	Subarea	Demand	Time
1	43%	5:00PM	47%	5:00PM	45%	5:00PM
2			32%	5:00PM	32%	5:00PM
3			48%	5:00PM	48%	5:00PM
4	81%	6:00PM	72%	5:00PM	77%	6:00PM
5	31%	5:00PM	46%	5:00PM	35%	5:00PM
6	21%	5:00PM	59%	8:00PM	26%	5:00PM
7	40%	5:00PM	52%	8:00PM	40%	6:00PM
8	24%	5:00PM	60%	5:00PM	25%	5:00PM
9	39%	5:00PM	49%	5:00PM	41%	5:00PM
Total Study Area	30%	5:00PM	49%	5:00PM	33%	5:00PM



CONCLUSIONS & RECOMMENDATIONS

Based on the supply and occupancy data and analysis, the following conclusions can be made regarding parking demand in the study area:

- Some street segments in the study area experience high demand throughout the day. These include portions of Catalina Street, Cherry Street, Reagan Street, Florista Street, and Pine Street.
- On-street parking experiences higher peak demand than off-street facilities within the study area as well as most subareas.
- Subarea 4 (southwest corner of the study area serving retail and dining) has the highest daily peak occupancy for the whole study area – 83% at 1:00PM. This subarea also has the highest off-street parking peak demand – 85% at 1:00PM.
- The southern and eastern parts of the study area experienced daily on-street peak demand above 80%.
- Off-street peak demand for subareas 5, 8, and 9 remained below 60% throughout the entire observed day.
- Demand across the entire study area is highest before 1:00PM and lowest after 4:00PM.
- In the evening, parking is underutilized in some portions of the study area. Highest demand during this time period occurs in the southwest of the study area (Subarea 4), most likely due to evening diners.
- Segments with the highest on-street demand include Catalina Street between Cherry and Kyle, Cherry Street south of Florista and Catalina, and Reagan Street south of Florista.
- On-street parking on Los Alamitos Boulevard and on the north side of Katella Avenue is generally underutilized for the entire day.
- Occupancy in the medical center structure does not exceed 50%.
- Parking in the east study area generally experiences highest demand during normal business hours serving medical and industrial land uses. Parking to the west of the study area general experiences highest demand in the late morning and early afternoon, which reflects the presence of several restaurants in this area.

Several street segments in the study area consistently experience high demand above 80% multiple times throughout the day:

- Catalina Street between Cherry and Kyle
- Cherry Street south of Florista and Catalina
- Reagan Street south of Florista
- Florista Street east of Pine
- Pine Street south of Florista



We recommend installing parking meters on these segments to increase turnover and facilitate parking to off-street lots. However, parking meter installation on these streets may increase parking on streets with currently excess capacity, such as Los Alamitos Boulevard. We recommend monitoring other surrounding streets for increased demand and the need for parking meter installation in the future.

We hope you find this information helpful. If you have any questions, comments, or require additional information, please contact Michael Sahimi at m.sahimi@fehrrandpeers.com or at 714-941-8785.

APPENDIX A: PARKING INVENTORY SHEETS



PARKING STUDY

Surface Lots - Supply & Occupancy

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	(Private) LOT 1			(Private) LOT 2		(Private) LOT 3			(Private) LOT 4			(Private) LOT 5			(Private) LOT 6			(Private) LOT 7			(Private) LOT 8		(Private) LOT 9			
	Regular	♿	TOTAL	Regular	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL									
Spaces	15	1	16	6	27	2	27	25	2	27	18	1	19	36	2	38	109	9	118	75	4	1	5			
9:00 AM	5	0	5 31%	4 67%	10 41%	1	11 41%	14	0	14 52%	17	1	18 95%	14	0	14 37%	56	3	59 50%	26 35%	2	0	2 40%			
10:00 AM	6	0	6 38%	6 100%	14 56%	1	15 56%	16	0	16 59%	14	1	15 79%	19	0	19 50%	75	5	80 68%	38 51%	2	0	2 40%			
11:00 AM	7	0	7 44%	6 100%	20 78%	1	21 78%	17	0	17 63%	13	1	14 74%	20	0	20 53%	56	6	62 53%	43 57%	2	1	3 60%			
12:00 PM	10	0	10 63%	6 100%	14 52%	0	14 52%	16	0	16 59%	13	1	14 74%	34	1	35 92%	88	4	92 78%	44 59%	2	0	2 40%			
1:00 PM	4	1	5 31%	5 83%	14 56%	1	15 56%	13	0	13 48%	11	0	11 58%	31	2	33 87%	93	6	99 84%	47 63%	0	0	0 0%			
2:00 PM	9	0	9 56%	5 83%	15 56%	0	15 56%	14	1	15 56%	13	0	13 68%	22	0	22 58%	86	5	91 77%	39 52%	1	0	1 20%			
3:00 PM	5	0	5 31%	5 83%	15 59%	1	16 59%	13	1	14 52%	16	1	17 89%	21	2	23 61%	67	6	73 62%	45 60%	1	0	1 20%			
4:00 PM	4	0	4 25%	4 67%	14 52%	0	14 52%	8	0	8 30%	12	0	12 63%	21	0	21 55%	61	4	65 55%	38 51%	1	0	1 20%			
5:00 PM	5	0	5 31%	4 67%	14 52%	0	14 52%	9	1	10 37%	8	0	8 42%	28	0	28 74%	75	4	79 67%	38 51%	0	0	0 0%			
6:00 PM	5	1	6 38%	1 17%	11 41%	0	11 41%	7	0	7 26%	3	0	3 16%	28	2	30 79%	92	5	97 82%	25 33%	0	0	0 0%			
7:00 PM	1	0	1 6%	0 0%	9 33%	0	9 33%	2	0	2 7%	0	0	0 0%	26	0	26 68%	70	5	75 64%	17 23%	0	0	0 0%			
8:00 PM	2	0	2 13%	0 0%	6 22%	0	6 22%	1	0	1 4%	0	0	0 0%	19	0	19 50%	63	4	67 57%	10 13%	0	0	0 0%			

TIME	(Public) LOT 10		(Private) LOT 11		(Private) LOT 12			(Private) LOT 13			(Private) LOT 14			(Private) LOT 15		(Private) LOT 16			
	Regular	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL	Regular	♿	TOTAL	Regular	Compact	♿	TOTAL	
Spaces	25	7	5	2	20	1	21	14	1	15	38	2	40	13	60	26	6	92	
9:00 AM	18 72%	3 43%	2	1	7 33%	0	7 33%	9	0	9 60%	6	0	6 15%	4 31%	59	24	6	89 97%	
10:00 AM	22 88%	7 100%	5	2	10 48%	0	10 48%	11	0	11 73%	6	1	7 18%	5 38%	60	26	6	92 100%	
11:00 AM	23 92%	7 100%	5	2	10 48%	0	10 48%	11	0	11 73%	7	0	7 18%	6 46%	57	24	6	87 95%	
12:00 PM	22 88%	7 100%	5	2	8 38%	0	8 38%	11	0	11 73%	10	1	11 28%	6 46%	38	7	4	49 53%	
1:00 PM	21 84%	5 71%	4	1	6 29%	0	6 29%	7	0	7 47%	7	0	7 18%	6 46%	41	9	5	55 60%	
2:00 PM	23 92%	4 57%	4	0	8 38%	0	8 38%	10	0	10 67%	9	0	9 23%	2 15%	48	16	4	68 74%	
3:00 PM	22 88%	3 43%	3	0	6 29%	0	6 29%	11	0	11 73%	13	0	13 33%	2 15%	44	17	6	67 73%	
4:00 PM	18 72%	1 14%	1	0	0	1	1 5%	7	0	7 47%	9	0	9 23%	2 15%	30	13	3	46 50%	
5:00 PM	15 60%	1 14%	1	0	1 5%	0	1 5%	2	0	2 13%	5	0	5 13%	1 8%	11	5	0	16 17%	
6:00 PM	13 52%	1 14%	1	0	1 5%	0	1 5%	3	0	3 20%	0	0	0 0%	1 8%	3	1	0	4 4%	
7:00 PM	12 48%	0 0%	3 43%	0	0 0%	0	0 0%	3 20%	0	3 20%	1	0	1 3%	12 92%	3	1	0	4 4%	
8:00 PM	8 32%	0 0%	2 29%	0	0 0%	0	0 0%	2 13%	0	2 13%	1	0	1 3%	8 62%	4	7	0	11 12%	

TIME	(Private) LOT 17						(Private) LOT 18		(Private) LOT 19		(Private) LOT 20			(Private) LOT 21				(Private) LOT 22				(Private) LOT 23		(Private) LOT 24		
	Regular	♿	Reserved	Patient Pick-Up/ Drop-Off	Doctors Only	TOTAL	Regular	Regular	Regular	Illegal	TOTAL	Regular	♿	Reserved	TOTAL	Regular	Compact	♿	TOTAL	TOTAL	Regular	♿	TOTAL			
Spaces	32	5	1	2	8	48	15	13	15	7	22	28	3	1	32	2	2	1	5	4	14	1	15			
9:00 AM	32	2	1	0	6	41 85%	14 93%	5 38%	15 7	22 100%	16	1	1	18 56%	1	1	0	2 40%	4 100%	3	0	3 20%				
10:00 AM	28	4	1	1	5	39 81%	15 100%	6 46%	15 7	22 100%	16	2	1	19 59%	1	1	0	2 40%	4 100%	3	0	3 20%				
11:00 AM	30	3	1	2	6	42 88%	15 100%	6 46%	15 7	22 100%	17	2	1	20 63%	2	1	0	3 60%	4 100%	4	0	4 27%				
12:00 PM	28	2	1	2	4	37 77%	14 93%	6 46%	11 5	16 73%	13	0	0	13 41%	0	1	0	1 20%	3 75%	9	0	9 60%				
1:00 PM	27	2	1	0	5	35 73%	11 73%	9 69%	11 6	17 77%	12	0	0	12 38%	1	0	0	1 20%	3 75%	9	0	9 60%				
2:00 PM	25	2	1	0	6	34 71%	12 80%	7 54%	8 4	12 55%	16	0	0	16 50%	0	0	0	0 0%	4 100%	6	0	6 40%				
3:00 PM	22	3	1	0	6	32 67%	14 93%	6 46%	5 3	8 36%	18	0	0	18 56%	2	0	0	2 40%	4 100%	9	0	9 60%				
4:00 PM	10	2	0	1	6	19 40%	13 87%	5 38%	2 0	2 9%	10	0	0	10 31%	0	0	0	0 0%	2 50%	5	0	5 33%				
5:00 PM	8	1	0	0	5	14 29%	5 33%	3 23%	2 0	2 9%	3	0	0	3 9%	0	0	0	0 0%	1 25%	5	0	5 33%				
6:00 PM	1	0	0	0	3	4 8%	7 47%	2 15%	2 0	2 9%	3	0	0	3 9%	0	0	0	0 0%	0 0%	7	0	7 47%				
7:00 PM	1	0	0	0	2	3 6%	10 67%	0 0%	2 0	2 9%	2	0	0	2 6%	0	0	0	0 0%	0 0%	4	0	4 27%				
8:00 PM	1	0	0	0	1	2 4%	13 87%	0 0%	1 0	1 5%	1	0	0	1 3%	0	0	0	0 0%	0 0%	4	0	4 27%				

TIME	(Private) LOT 25			(Private) LOT 26				(Private) LOT 27					(Private) LOT 28			(Private) LOT 29		(Private) LOT 30		(Private) LOT 31				
	Regular	♿	TOTAL	Regular	Compact	♿	TOTAL	Regular	♿	Reserved	Reserved Parking for Cancer Angels	TOTAL	Regular	♿	TOTAL	Private Parking	3792 parking only	Regular	♿	Emergency Room	Vendor Parking	TOTAL		
Spaces	7	1	8	9	3	1	13	2	1	1	5	9	6	1	7	9	8	72	23	21	3	119		
9:00 AM	3	0	3 38%	7	1	0	8 62%	2	0	0	4	6 67%	4	0	4 57%	3 33%	0 n/a	35	16	8	0	59 50%		
10:00 AM	2	0	2 25%	4	1	1	6 46%	2	0	1	4	7 78%	5	0	5 71%	3 33%	0 n/a	48	22	11	0	81 68%		
11:00 AM	2	0	2 25%	5	1	1	7 54%	2	0	1	4	7 78%	4	0	4 57%	4 44%	0 n/a	49	22	12	0	83 70%		
12:00 PM	1	0	1 13%	3	1	0	4 31%	2	0	1	5	8 89%	3	0	3 43%	2 22%	0 n/a	34	22	19	1	76 64%		
1:00 PM	3	0	3 38%	3	2	1	6 46%	2	0	1	5	8 89%	2	0	2 29%	4 44%	0 n/a	45	22	17	1	85 71%		
2:00 PM	4	0	4 50%	3	2	0	5 38%	2	0	1	4	7 78%	4	0	4 57%	3 33%	0 n/a	51	22	14	0	87 73%		
3:00 PM	2	0	2 25%	2	0	0	2 15%	2	0	1	3	6 67%	4	1	5 71%	5 56%	0 n/a	51	18	20	0	89 75%		
4:00 PM	4	0	4 50%	2	1	0	3 23%	2	0	1	3	6 67%	3	0	3 43%	4 44%	0 n/a	29	12	19	0	60 50%		
5:00 PM	3	0	3 38%	2	1	0	3 23%	2	0	1	3	6 67%	1	0	1 14%	2 22%	0 n/a	23	10	15	0	48 40%		
6:00 PM	1	0	1 13%	0	1	0	1 8%	2	1	0	4	7 78%	0	0	0 0%	1 11%	0 n/a	23	8	15	0	46 39%		
7:00 PM	1	0	1 13%	0	1	0	1 8%	2	1	0	4	7 78%	0	0	0 0%	3 33%	0 n/a	22	7	12	0	41 34%		
8:00 PM	1	0	1 13%	0	1	0	1 8%	2	1	0	4	7 78%	0	0	0 0%	3 33%	0 n/a	22	6	12	0	40 34%		

Note: Lot 30 spaces were blocked by a container.

TIME	(Private) LOT 32						(Private) LOT 33		(Private) LOT 34		(Private) LOT 35						(Private) LOT 36				(Private) LOT 37					
	Regular Staff	Regular Doctors	♿	♿ (Van Only)	Charging Only	TOTAL	Private Parking	Private Parking	Regular	♿	Clean Air Pool	Pharmacy	Urgent	White Zone Curb	TOTAL	Regular	♿	Patient Only	TOTAL	Regular	Visitor	TOTAL				
Spaces	262	108	8	1	1	380	9	19	53	12	5	6	4		80	28	1	4	33	20	2	22				
9:00 AM	251	86	4	1	0	342	4	44%	4	21%	31	8	2	1	2	44	55%	20	0	3	23	70%	20	2	22	100%
10:00 AM	262	84	5	1	0	352	6	67%	5	26%	50	12	5	2	3	74	93%	19	1	1	21	64%	20	2	22	100%
11:00 AM	262	94	5	1	1	363	7	78%	7	37%	52	11	5	2	3	73	91%	24	1	4	29	88%	19	1	20	91%
12:00 PM	254	83	6	1	1	345	8	89%	11	58%	53	10	5	3	3	75	94%	21	1	4	26	79%	15	1	16	73%
1:00 PM	258	72	8	1	1	340	9	100%	12	63%	53	12	4	3	4	79	99%	22	1	3	26	79%	19	1	20	91%
2:00 PM	262	82	8	1	1	354	9	100%	14	74%	53	12	5	3	1	76	95%	23	1	3	27	82%	19	1	20	91%
3:00 PM	240	65	7	1	1	314	9	100%	12	63%	53	9	3	3	1	69	86%	22	1	2	25	76%	19	2	21	95%
4:00 PM	179	62	7	1	1	250	9	100%	11	58%	42	7	2	2	3	57	71%	22	1	2	25	76%	18	1	19	86%
5:00 PM	124	42	3	0	0	169	7	78%	11	58%	37	2	1	1	4	45	56%	13	0	3	16	48%	7	0	7	32%
6:00 PM	128	26	1	0	0	155	6	67%	9	47%	34	2	3	1	4	44	55%	3	0	0	3	9%	0	0	0	0%
7:00 PM	130	12	0	0	0	142	5	56%	7	37%	27	1	3	1	4	36	45%	0	0	0	0	0%	0	0	0	0%
8:00 PM	87	10	0	0	0	97	5	56%	8	42%	33	1	3	1	3	41	51%	1	0	0	1	3%	0	0	0	0%

TIME	(Private) LOT 38				(Private) LOT 39				(Private) LOT 40			(Private) LOT 41				(Private) LOT 42				(Private) LOT 43							
	Regular	Reserved 6 AM-6 PM	♿	TOTAL	Reserved/Assigned	♿	Visitor	TOTAL	Regular	Professional Breaking	TOTAL	Regular	Reserved	Tenant Parking	TOTAL	Regular	♿	Triple R Company	Reserved	TOTAL	TOTAL						
Spaces	16	7	3	26	26	2	6	34		19	12	31	48	2	3	53	51	1	10	15	77	80					
9:00 AM	16	6	2	24	92%	20	0	1	21	62%	14	8	22	71%	26	1	0	27	51%	29	0	4	11	44	57%	33	41%
10:00 AM	16	6	2	24	92%	21	2	1	24	71%	13	10	23	74%	25	1	0	26	49%	32	1	4	7	44	57%	35	44%
11:00 AM	16	6	2	24	92%	21	2	1	24	71%	14	10	24	77%	23	1	0	24	45%	29	0	4	11	44	57%	37	46%
12:00 PM	16	6	2	24	92%	21	1	3	25	74%	12	9	21	68%	25	2	0	27	51%	34	0	2	11	47	61%	34	43%
1:00 PM	16	5	2	23	88%	20	1	3	24	71%	12	9	21	68%	26	2	0	28	53%	33	0	5	12	50	65%	34	43%
2:00 PM	16	6	2	24	92%	21	2	3	26	76%	13	9	22	71%	24	2	0	26	49%	25	0	4	12	41	53%	40	50%
3:00 PM	14	6	1	21	81%	24	2	3	29	85%	11	9	20	65%	28	2	0	30	57%	26	0	4	10	40	52%	38	48%
4:00 PM	13	4	1	18	69%	18	2	1	21	62%	14	10	24	77%	25	2	0	27	51%	25	0	4	8	37	48%	31	39%
5:00 PM	11	3	1	15	58%	14	2	1	17	50%	14	4	18	58%	22	0	1	23	43%	19	0	8	7	34	44%	14	18%
6:00 PM	6	3	0	9	35%	24	0	6	30	88%	11	3	14	45%	21	0	0	21	40%	20	0	8	7	35	45%	11	14%
7:00 PM	6	5	0	11	42%	24	0	6	30	88%	9	2	11	35%	18	0	0	18	34%	13	0	8	7	28	36%	12	15%
8:00 PM	5	3	0	8	31%	23	0	5	28	82%	8	2	10	32%	17	0	0	17	32%	19	0	8	8	35	45%	2	3%

(Private)

TIME	LOT 44		
	Regular	♿	TOTAL
Spaces	16	1	17
9:00 AM	8	1	9 53%
10:00 AM	8	1	9 53%
11:00 AM	10	1	11 65%
12:00 PM	9	0	9 53%
1:00 PM	8	1	9 53%
2:00 PM	8	1	9 53%
3:00 PM	7	1	8 47%
4:00 PM	4	0	4 24%
5:00 PM	3	0	3 18%
6:00 PM	3	0	3 18%
7:00 PM	3	0	3 18%
8:00 PM	3	0	3 18%

PARKING STUDY

Parking Structure - Supply & Occupancy

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	LEVEL 1					LEVEL 2		LEVEL 3		LEVEL 4			LEVEL 5							LEVEL 6		TOTAL		
	Regular	♿	Clean Air	Radiation Therapy	Illegal	Regular	Motorcycle	Regular	Motorcycle	Regular	Doctor	Motorcycle	Regular	Doctor	Electric Vehicle	Electric Vehicle Doctor Parking	Vanpool Clean Air	Doctor Vanpool Clean Air	Motorcycle	Regular	Volunteer			
Spaces	92	21	68	6		185	6	185	6	145	36	9	112	44	6	5	9	4	6	149	8	1102		
9:00 AM	57	12	8	1	0	13	0	2	0	0	7	0	8	0	0	1	0	0	0	0	2		111	10%
10:00 AM	78	18	25	3	1	29	0	2	0	0	12	0	22	7	0	1	2	0	0	12	4		216	20%
11:00 AM	67	18	56	3	1	40	0	3	0	1	15	0	74	11	2	1	3	0	0	57	7		359	33%
12:00 PM	81	19	58	3	1	47	0	3	0	0	18	0	98	11	5	3	3	0	0	93	5		448	41%
1:00 PM	79	19	43	3	0	32	0	2	0	0	11	0	108	9	6	3	5	0	0	113	5		438	40%
2:00 PM	77	19	36	2	0	29	0	2	0	0	7	0	112	9	6	3	6	0	0	126	1		435	39%
3:00 PM	53	16	28	1	0	22	0	2	0	0	9	0	103	5	4	3	6	0	0	69	1		322	29%
4:00 PM	41	8	22	1	0	19	0	2	0	1	6	0	62	5	1	3	6	0	0	41	0		218	20%
5:00 PM	35	3	13	0	0	14	0	2	0	0	5	0	25	4	1	3	4	0	0	27	0		136	12%
6:00 PM	34	2	8	0	0	12	0	2	0	0	2	0	12	1	1	2	0	0	0	10	0		86	8%
7:00 PM	12	0	10	0	0	6	0	2	0	0	1	0	10	1	1	2	0	0	0	9	0		54	5%
8:00 PM	15	0	8	0	0	6	0	1	0	0	1	0	9	0	1	2	0	0	0	6	0		49	4%

PARKING STUDY

Street Parking - Supply

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	LOS ALAMITOS BOULEVARD				
	From Katella Ave to Florista St		From Florista St to Catalina St		
	EAST SIDE	WEST SIDE	EAST SIDE		WEST SIDE
	Red Curb	Unmarked Parallel	Unmarked Parallel	Green Curb Unmarked Parallel	Unmarked Parallel
Restrictions	No Parking Any Time	2 hr parking 7am-3pm except Sunday			
Spaces		7	7	4	11
9:00 AM		1	1	1	5
10:00 AM		1	2	2	8
11:00 AM		2	4	1	7
12:00 PM		2	3	1	9
1:00 PM		0	3	1	6
2:00 PM		0	4	0	8
3:00 PM		0	5	1	7
4:00 PM		0	3	0	6
5:00 PM		0	3	0	6
6:00 PM		0	3	0	5
7:00 PM		0	2	0	7
8:00 PM		0	1	0	5

TIME	PINE STREET							
	From Katella Ave to Florista St					From Florista St to Catalina St		
	EAST SIDE		WEST SIDE			EAST SIDE		WEST SIDE**
	Marked 45°	Green Curb Marked 45°	Marked Perpendicular	Handicapped Marked Perpendicular	Unmarked Parallel	Unmarked Parallel	Yellow Curb Unmarked Parallel	Unmarked Parallel
Restrictions	No restrictions	No restrictions	No restrictions	No restrictions	No restrictions	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking vehicles that are ≥ 22 ft. 2am-6am. No parking 11am-2pm 2nd/4th Tuesday of the month	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking vehicles that are ≥ 22 ft. 2am-6am. No parking 11am-2pm 2nd/4th Tuesday of the month***	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 1st/3rd Tuesday of the month.
Spaces	10	9	34	2	3	17	1	14
9:00 AM	6	6	14	0	1	14	0	7
10:00 AM	6	8	17	0	2	17	0	10
11:00 AM	9	8	25	1	1	13	1	8
12:00 PM	7	9	34	1	1	11	0	10
1:00 PM	5	7	30	2	3	11	0	6
2:00 PM	5	5	27	1	1	10	0	5
3:00 PM	6	4	33	2	2	8	0	7
4:00 PM	3	7	34	2	0	7	0	8
5:00 PM	3	9	28	1	1	6	0	9
6:00 PM	2	4	25	1	2	7	0	9
7:00 PM	2	3	26	1	1	7	0	10
8:00 PM	1	2	16	0	0	7	0	8

*** Denotes "Private" Parking

TIME	REAGAN STREET							
	From Katella Ave to Florista St						From Florista St to Catalina St	
	EAST SIDE			WEST SIDE			EAST SIDE***	WEST SIDE***
	Unmarked Parallel	Yellow Curb Unmarked Parallel	Marked 45°	Green Curb Marked 45°	Marked 45°	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel
Restrictions	2 hr parking 9am-6pm Mon-Fri. No parking 11am-2pm 2nd/4th Tuesday of the month	Loading	2 hr parking 9am-6pm Mon-Fri. No parking 11am-2pm 2nd/4th Tuesday of the month	1 hr parking. No parking 11am-2pm 1st/3rd Tuesday of the month	2 hr parking 9am-6pm Mon-Fri. No parking 11am-2pm 1st/3rd tues of the month	2 hr parking 9am-6pm Mon-Fri. No parking 11am-2pm 1st/3rd tues of the month	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 2nd/4th Tuesday of the month. No parking Vehicles that are ≥ 22 ft	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 2nd/4th Tuesday of the month. No parking Vehicles that are ≥ 22 ft
Spaces	5	1	14	2	10	2	10	14
9:00 AM	3	1	13	1	6	2	6	7
10:00 AM	1	1	14	2	7	1	10	8
11:00 AM	3	0	14	2	8	2	9	7
12:00 PM	1	1	12	2	6	2	5	6
1:00 PM	2	0	10	1	5	1	2	4
2:00 PM	3	0	14	2	8	1	3	7
3:00 PM	1	1	13	1	8	1	2	8
4:00 PM	0	1	8	2	5	1	4	6
5:00 PM	1	1	6	0	6	0	9	5
6:00 PM	2	0	6	0	6	0	5	7
7:00 PM	4	0	12	2	10	2	6	7
8:00 PM	2	2	14	2	10	2	6	8

TIME	CHERRY STREET							
	From Katella Ave to Catalina St (S)			From Katella Ave to Florista St		From Catalina St (S) to Catalina St (N)	From Florista St to Catalina St (N)	
	EAST SIDE			WEST SIDE		EAST SIDE	WEST SIDE***	
	Unmarked Parallel	Marked 45°	Yellow Curb Unmarked Parallel	Marked 45°	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel
Restrictions	2 hr parking Mon-Fri 9am-6pm	2 hr parking Mon-Fri 9am-6pm	Truck loading and unloading zone only 20 min	2 hr parking Mon-Fri 9am-6pm except Sunday	2 hr parking Mon-Fri 9am-6pm except Sunday/ White curb passenger loading [NP]/2 hr parking Mon-Fri 9am-6pm except Sunday	No restrictions		Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 1st/3rd Tuesday of the month
Spaces	3	20	2	6	5	5		14
9:00 AM	1	16	1	5	2	2		9
10:00 AM	2	18	0	5	4	1		11
11:00 AM	1	20	1	5	4	2		8
12:00 PM	2	20	1	6	5	2		8
1:00 PM	3	19	2	6	3	2		9
2:00 PM	3	20	0	6	3	2		8
3:00 PM	3	18	1	5	3	1		7
4:00 PM	3	19	1	6	3	1		9
5:00 PM	1	8	0	4	1	1		7
6:00 PM	0	16	0	6	3	0		8
7:00 PM	0	17	0	6	2	0		9
8:00 PM	1	20	0	6	3	0		8

PARKING STUDY

Street Parking

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	KAYLOR STREET				
	From Katella Ave to Catalina St				
	EAST SIDE	WEST SIDE			
	Red Curb	Unmarked Perpendicular	Yellow Curb Unmarked Parallel	Yellow Curb Unmarked Parallel	Red Curb
Restrictions	No parking Fire lane	Private Parking	Truck loading and unloading zone only 20 min	Deliveries only	No parking Fire lane
Spaces		1	2	2	
9:00 AM		0	2	2	
10:00 AM		0	2	2	
11:00 AM		0	2	2	
12:00 PM		0	2	1	
1:00 PM		0	2	2	
2:00 PM		0	2	1	
3:00 PM		0	2	0	
4:00 PM		0	2	1	
5:00 PM		0	1	0	
6:00 PM		0	1	1	
7:00 PM		0	1	0	
8:00 PM		0	1	0	

TIME	KYLE STREET
	From Florista St to Catalina St
	EAST SIDE
	Unmarked Parallel
Restrictions	No restrictions
Spaces	13
9:00 AM	9
10:00 AM	8
11:00 AM	9
12:00 PM	9
1:00 PM	9
2:00 PM	8
3:00 PM	7
4:00 PM	7
5:00 PM	6
6:00 PM	5
7:00 PM	4
8:00 PM	3

TIME	BLOOMFIELD STREET				
	From Katella Ave to Florista St		From Florista St to Study Area Boundary		
	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	
				Unmarked Parallel	
Restrictions	No Stopping Any Time	No Stopping Any Time	No Stopping Any Time	2 hr parking 8am-5pm except Sat, Sun, & holidays	No Stopping Any Time
Spaces				10	
9:00 AM				6	
10:00 AM				6	
11:00 AM				6	
12:00 PM				7	
1:00 PM				10	
2:00 PM				9	
3:00 PM				9	
4:00 PM				6	
5:00 PM				3	
6:00 PM				0	
7:00 PM				0	
8:00 PM				0	

TIME	CATALINA STREET								
	From Los Alamitos to Reagan St	From Los Alamitos Blvd to Pine St	From Pine St to Reagan St	From Reagan St to Cherry St		From Cherry St to Kyle St		From Cherry St to Kaylor St	From Kaylor St to Kyle St
	NORTH SIDE	SOUTH SIDE	SOUTH SIDE	NORTH SIDE***	SOUTH SIDE***	NORTH SIDE		SOUTH SIDE	SOUTH SIDE
	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel	Unmarked Parallel	Red Curb	Unmarked Parallel	Unmarked Parallel
Restrictions	No restrictions	No parking 11am-2pm 2nd/4th Tuesday of the month	No parking 11am-2pm 2nd/4th Tuesday of the month	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 2nd/4th Tuesday of the month	No restrictions	No Parking Any Time	No restrictions	No restrictions
Spaces	24	8	9	13	8	18		3	10
9:00 AM	17	5	8	1	6	17		3	9
10:00 AM	16	5	8	1	6	18		2	9
11:00 AM	17	5	7	1	3	18		3	9
12:00 PM	20	3	6	2	4	18		3	9
1:00 PM	18	4	6	2	4	17		3	9
2:00 PM	18	3	9	2	3	18		3	10
3:00 PM	18	2	8	2	3	16		3	9
4:00 PM	13	2	4	2	3	17		3	9
5:00 PM	13	4	1	2	2	16		3	5
6:00 PM	8	3	0	2	2	11		3	6
7:00 PM	5	2	0	2	2	7		3	3
8:00 PM	5	4	0	2	3	7		2	3

Notes: 1) A tractor trailer occupied at least 2 spots on the north side from Reagan St to Cherry St
2) There was construction in a small area on the north side from Cherry St to Kyle St

PARKING STUDY

Street Parking

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	FLORISTA STREET								
	From Los Alamitos Blvd to Pine St		From Pine St to Reagan St			From Reagan St to Cherry St		From Kyle St to Bloomfield St	
	NORTH SIDE	SOUTH SIDE	NORTH SIDE ***	SOUTH SIDE		NORTH SIDE***	SOUTH SIDE	NORTH SIDE	SOUTH SIDE
	Unmarked Parallel	Marked Perpendicular	Unmarked Parallel	Marked Perpendicular	Green Curb Marked 45°	Unmarked Parallel	Marked 45°	Unmarked Parallel	Unmarked Parallel
Restrictions	No parking 11am-2pm 1st/3rd tuesdays of the month	No restrictions	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 1st/3rd Tuesday of the month. No parking Vehicles that are ≥ 22 ft. 2am-6am.	1 hour parking. No parking 11am-2pm 2nd/4th Tuesday of the month. No parking vehicles that are ≥ 22ft 2am-6am.	No restrictions	Parking permit required 6am-6pm Mon-Fri and 6am-noon on Saturday. No parking 11am-2pm 1st/3rd Tuesday of the month. No parking Vehicles that are ≥ 22 ft. 2am-6am.	2 hr parking 9am-6pm Mon-Fri. No parking 11am-2pm 2nd/4th Tuesday of the month.	No restrictions	No restrictions
Spaces	8	21	9	14	9	7	17	13	6
9:00 AM	4	9	5	14	6	3	15	11	4
10:00 AM	7	9	7	14	6	7	14	11	4
11:00 AM	7	11	9	14	9	6	15	11	4
12:00 PM	8	12	3	13	9	4	14	11	5
1:00 PM	7	11	1	11	8	3	13	12	4
2:00 PM	6	10	2	10	4	5	14	11	4
3:00 PM	7	7	1	12	1	7	16	11	4
4:00 PM	6	12	0	11	3	5	17	8	3
5:00 PM	3	12	0	8	0	5	7	3	2
6:00 PM	3	9	1	1	0	5	8	1	1
7:00 PM	3	9	2	0	0	5	12	1	1
8:00 PM	1	7	1	0	0	4	13	1	1

Notes: No parking (TEMPORARY) 9 of the 21 spots on the south side from Los Alamitos Blvd to Pine St

TIME	KATELLA AVE													
	From Los Alamitos Blvd to Pine St		From Pine St to Reagan St		From Reagan St to Cherry St				From Cherry St to Kaylor St		From Kaylor St to Maple St		From Maple St to Bloomfield St	
	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE		SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	
					Green Curb Unmarked Parallel	Unmarked Parallel	Green Curb Unmarked Parallel	Unmarked Parallel	Red Curb	Unmarked Parallel	Red Curb	Unmarked Parallel	Red Curb	
Restrictions	No Parking Any Time	No Parking Any Time	No Parking Any Time	No Parking Any Time	24 min parking 9am-6pm parking	No parking Mon-Fri 12 am-9am	24 min parking 9am-6pm parking	2 hr parking 7am-6pm		2 hr parking 7am-6pm		No restrictions	No restrictions	
Spaces					2	2	4	12		13		2	25	
9:00 AM					0	1	0	2		11		2	23	
10:00 AM					1	0	1	7		10		2	24	
11:00 AM					1	0	0	6		9		2	25	
12:00 PM					1	1	1	9		9		1	24	
1:00 PM					1	0	0	5		8		2	19	
2:00 PM					0	2	1	11		13		2	24	
3:00 PM					0	0	2	10		13		2	18	
4:00 PM					0	0	1	11		9		2	17	
5:00 PM					0	0	1	12		4		2	17	
6:00 PM					1	1	0	6		1		2	11	
7:00 PM					0	0	0	0		0		1	14	
8:00 PM					0	0	0	0		0		1	13	

PARKING STUDY

Street Parking - Occupancy

Project #: 15-1093
City: Los Alamitos

Day: Wednesday
Date: 4/15/2015

TIME	LOS ALAMITOS BOULEVARD			PINE STREET				REAGAN STREET				CHERRY STREET				KAYLOR STREET	KYLE STREET
	Katella to Florista	Florista to Catalina		Katella to Florista		Florista to Catalina		Katella to Florista		Florista to Catalina		Katella to Catalina (S)	Katella to Florista	Catalina (S) to Catalina (N)	Florista to Catalina (N)	Katella to Catalina	Florista to Catalina
	EAST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	EAST SIDE	WEST SIDE	WEST SIDE	EAST SIDE
9:00 AM	14%	18%	45%	63%	38%	78%	50%	85%	64%	60%	50%	72%	64%	40%	64%	80%	69%
10:00 AM	14%	36%	73%	74%	49%	94%	71%	80%	71%	100%	57%	80%	82%	20%	79%	80%	62%
11:00 AM	29%	45%	64%	89%	69%	78%	57%	85%	86%	90%	50%	88%	82%	40%	57%	80%	69%
12:00 PM	29%	36%	82%	84%	92%	61%	71%	70%	71%	50%	43%	92%	100%	40%	57%	60%	69%
1:00 PM	0%	36%	55%	63%	90%	61%	43%	60%	50%	20%	29%	96%	82%	40%	64%	80%	69%
2:00 PM	0%	36%	73%	53%	74%	56%	36%	85%	79%	30%	50%	92%	82%	40%	57%	60%	62%
3:00 PM	0%	55%	64%	53%	95%	44%	50%	75%	71%	20%	57%	88%	73%	20%	50%	40%	54%
4:00 PM	0%	27%	55%	53%	92%	39%	57%	45%	57%	40%	43%	92%	82%	20%	64%	60%	54%
5:00 PM	0%	27%	55%	63%	77%	33%	64%	40%	43%	90%	36%	36%	45%	20%	50%	20%	46%
6:00 PM	0%	27%	45%	32%	72%	39%	64%	40%	43%	50%	50%	64%	82%	0%	57%	40%	38%
7:00 PM	0%	18%	64%	26%	72%	39%	71%	80%	100%	60%	50%	68%	73%	0%	64%	20%	31%
8:00 PM	0%	9%	45%	16%	41%	39%	57%	90%	100%	60%	57%	84%	82%	0%	57%	20%	23%

TIME	BLOOMFIELD STREET	CATALINA STREET								FLORISTA STREET							
	Florista to N. Boundary	Los Alamitos to Reagan	Los Alamitos to Pine	Pine to Reagan	Reagan to Cherry		Cherry to Kyle	Cherry to Kaylor	Kaylor to Kyle	Los Alamitos to Pine		Pine to Reagan		Reagan to Cherry		Kyle to Bloomfield	
	WEST SIDE	NORTH SIDE	SOUTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE	NORTH SIDE	SOUTH SIDE
9:00 AM	60%	71%	63%	89%	8%	75%	94%	100%	90%	50%	75%	56%	87%	43%	88%	85%	67%
10:00 AM	60%	67%	63%	89%	8%	75%	100%	67%	90%	88%	75%	78%	87%	100%	82%	85%	67%
11:00 AM	60%	71%	63%	78%	8%	38%	100%	100%	90%	88%	92%	100%	100%	86%	88%	85%	67%
12:00 PM	70%	83%	38%	67%	15%	50%	100%	100%	90%	100%	100%	33%	96%	57%	82%	85%	83%
1:00 PM	100%	75%	50%	67%	15%	50%	94%	100%	90%	88%	92%	11%	83%	43%	76%	92%	67%
2:00 PM	90%	75%	38%	100%	15%	38%	100%	100%	100%	75%	83%	22%	61%	71%	82%	85%	67%
3:00 PM	90%	75%	25%	89%	15%	38%	89%	100%	90%	88%	58%	11%	57%	100%	94%	85%	67%
4:00 PM	60%	54%	25%	44%	15%	38%	94%	100%	90%	75%	100%	0%	61%	71%	100%	62%	50%
5:00 PM	30%	54%	50%	11%	15%	25%	89%	100%	50%	38%	100%	0%	35%	71%	41%	23%	33%
6:00 PM	0%	33%	38%	0%	15%	25%	61%	100%	60%	38%	75%	11%	4%	71%	47%	8%	17%
7:00 PM	0%	21%	25%	0%	15%	25%	39%	100%	30%	38%	75%	22%	0%	71%	71%	8%	17%
8:00 PM	0%	21%	50%	0%	15%	38%	39%	67%	30%	13%	58%	11%	0%	57%	76%	8%	17%

TIME	KATELLA AVENUE				
	Reagan to Cherry		Cherry to Kaylor	Kaylor to Maple	Maple to Bloomfield
	NORTH SIDE	SOUTH SIDE	SOUTH SIDE	SOUTH SIDE	SOUTH SIDE
9:00 AM	13%	17%	85%	100%	92%
10:00 AM	25%	58%	77%	100%	96%
11:00 AM	13%	50%	69%	100%	100%
12:00 PM	38%	75%	69%	50%	96%
1:00 PM	13%	42%	62%	100%	76%
2:00 PM	38%	92%	100%	100%	96%
3:00 PM	25%	83%	100%	100%	72%
4:00 PM	13%	92%	69%	100%	68%
5:00 PM	13%	100%	31%	100%	68%
6:00 PM	25%	50%	8%	100%	44%
7:00 PM	0%	0%	0%	50%	56%
8:00 PM	0%	0%	0%	50%	52%

APPENDIX B: HOURLY OCCUPANCY FIGURES



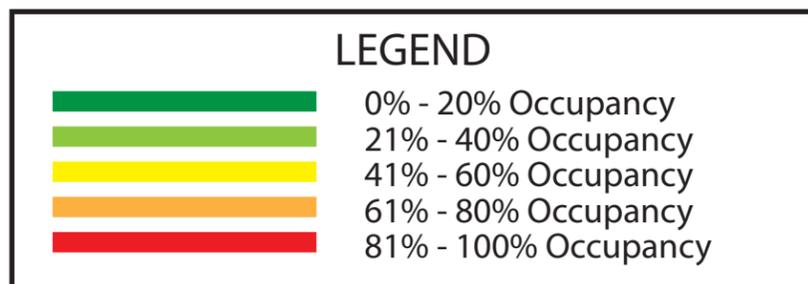


Figure B1
Parking Occupancy 9:00AM

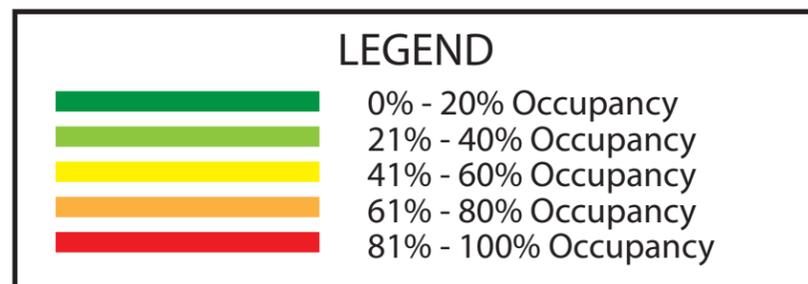


Figure B2
Parking Occupancy 10:00AM

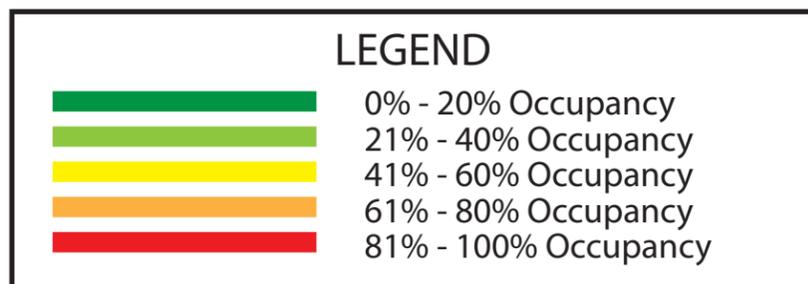


Figure B3
Parking Occupancy 11:00AM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B4
Parking Occupancy 12:00PM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B5
Parking Occupancy 1:00PM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy



Figure B6
Parking Occupancy 2:00PM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B7
Parking Occupancy 3:00PM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B8
Parking Occupancy 4:00PM



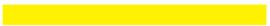
LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy



Figure B9
Parking Occupancy 5:00PM



LEGEND

	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B10
Parking Occupancy 6:00PM



LEGEND	
	0% - 20% Occupancy
	21% - 40% Occupancy
	41% - 60% Occupancy
	61% - 80% Occupancy
	81% - 100% Occupancy

Figure B11
Parking Occupancy 7:00PM

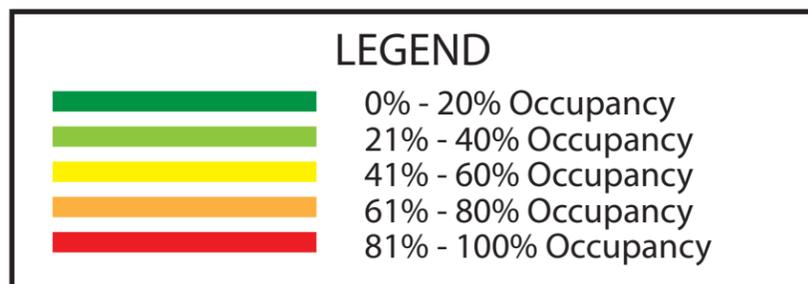


Figure B12
Parking Occupancy 8:00PM