

Memorandum City of Lawrence Police Department

**To: City Commissioners
Diane Stoddard, Interim City Manager
Tarik Khatib, Chief of Police
Adam Heffley, Captain of Information Services**

From: Teri Pierce, Animal & Parking Control Manager

Date: July 9, 2015

Re: Long-Term Parking Vacancy

BACKGROUND

The Parking Control staff received a request to study the availability of the long-term metered surface parking lots, and the long-term pay-by-space parking in the garages. If found that there were high occupancy utilizations for the long-term spaces, we were asked to offer suggestions for increasing the number of long-term parking spaces.

Due to the low number of on-street long-term (10-hour metered) parking spaces, they were not evaluated for space vacancy figures.

PRESENTATION OF DATA

There are a total of 2,977 parking spaces in the downtown Lawrence inventory. This includes all inventory for parking with the exception of reserved, city vehicles, loading zone, moped, taxi, hotel, and transit bus parking.

Long Term Parking Spaces=	1,273	
Short Term Parking Spaces=	1,596	<i>(includes 120, 5-hour meters)</i>
Disabled Parking Spaces=	<u>108</u>	
Total	2,977	

The 10-hour long-term meters, and pay-by-space parking, allow for the use of an annual, or quarterly, city parking pass, in lieu of paying a coin meter, or pay-on-foot station in the garages.

There are 120, 5-hour meters that are not considered long-term spaces for the use of a parking pass. The chart below shows the downtown meter rates. The 5-hour meters have the same reduced rate as the 10-hour long-term meters.

METER RATES

	NICKEL	DIME	QUARTER	DOLLAR
15 MIN METER	3 MINUTES	6 MINUTES	15 MINUTES	15 MINUTES
30 MIN METER	6 MINUTES	12 MINUTES	30 MINUTES	30 MINUTES
2 -HR METER	6 MINUTES	12 MINUTES	30 MINUTES	2 HOURS
5-HR METER	30 MINUTES	60 MINUTES	2 1/2 HOURS	5 HOURS
10-HR METER	30 MINUTES	60 MINUTES	2 1/2 HOURS	10 HOURS

In 2013 the City Commission approved a project to increase the long-term parking in the 1000 block of Vermont Street (Quadrant III). Lot 10 was converted from a 2-hour free parking lot to half 2-hour free, and the other half 10-hour (long-term) meters. In the same project, 16, 5-hour metered spaces on the east side of Vermont Street and 10, 2-hour spaces on North Park Street, were also converted to 10-hour long-term metered parking. Those three changes increased the long-term 10-hour parking in the southwest quadrant by 56 spaces.

Previous parking reports separated the downtown by the quadrants A, B, C, & D in a clockwise rotation. For this report the four quadrants are assigned I, II, III, & IV, beginning in the northeast quadrant, rotating counter-clockwise. The four quadrants are separated by Massachusetts Street, and 9th Street. (Page 5.)

The downtown parking map (page 10), shows the vacancy for long-term parking during the workweek. The data for this report was compiled various days in 2015. Space vacancy was counted at mid-morning, afternoon, and early evening. The percentages in bright green highlighting are estimates of the parking space vacancy based on the morning and afternoon data for each long-term parking lot, or garage floor.

Saturday's data was studied and included in the graph on (page 13), but it is not being used for the purpose of this report. The data collected from Saturdays is separated because long-term parking vacancy Monday - Friday is often inverted when compared to the weekend vacancy figures.

DISCUSSION

A significant number of long-term spaces are available downtown at any given time during the day. One example is Lot 16 south of Riverfront Garage, entrance on Rhode Island. This long-term 10-hour metered lot has 98% space available during the week. That is forty-three available long term spaces. The only time Lot 16 had an elevated activity was during the temporary library move to the old Borders building in the 700 block of New Hampshire.

To assist with the loss of a few long term spaces in Lot 8, in the 800 block of New Hampshire, during the Tuesday afternoon Farmer’s Market, a few spaces in the 2-hour free lot across the street, Lot 4, were signed to allow for 10-hour parking passes. Those same spaces may also be used as 2-hour free parking.

RECOMMENDATION

The bright green lines on all of the downtown parking maps, are the 5-hour meters. Most of these meters are used by downtown business people, so there is not turnover during the workday. Half way through the day, the vehicle owners may go and extend their time on the meter to the end of the day. The rates of 5-hour meters are the same as 10-hour meters; a nickel for 30 minutes, a dime for an hour, and a quarter for 2 ½ hours. Converting the remaining 120, 5-hour meters, to 10-hour meters, would allow the long-term parking pass holders to park all day.

Two hour meters are typically installed near a business, but in other areas where there are 5-hour meters, it makes sense to consider converting them to the long-term 10-hour meters. The people that have been parking there paying the meter may continue to pay with coin, but it opens up more parking options for the 10-hour pass holder. This would also help considerably in the 800 block of Vermont, where the only long-term lot is north of the Carnegie Library building. About 1/3 of the long-term spaces were removed during the building expansion. A less expensive option would be to allow 10-hour passes at the five hour meters, although that may cause some confusion.

There are a number of long-term parking spaces available in every area of downtown during the workweek. See below for the average in each quadrant. There are almost always long-term parking spaces available within a short block of any downtown destination. Quadrant III has the least amount of 10-hour long term parking spaces vacant, with 12 spaces. Below lists the average vacant spaces in the four quadrants during the workday, Monday – Friday.

AVERAGE LONG-TERM SPACE VACANCY
Monday – Friday

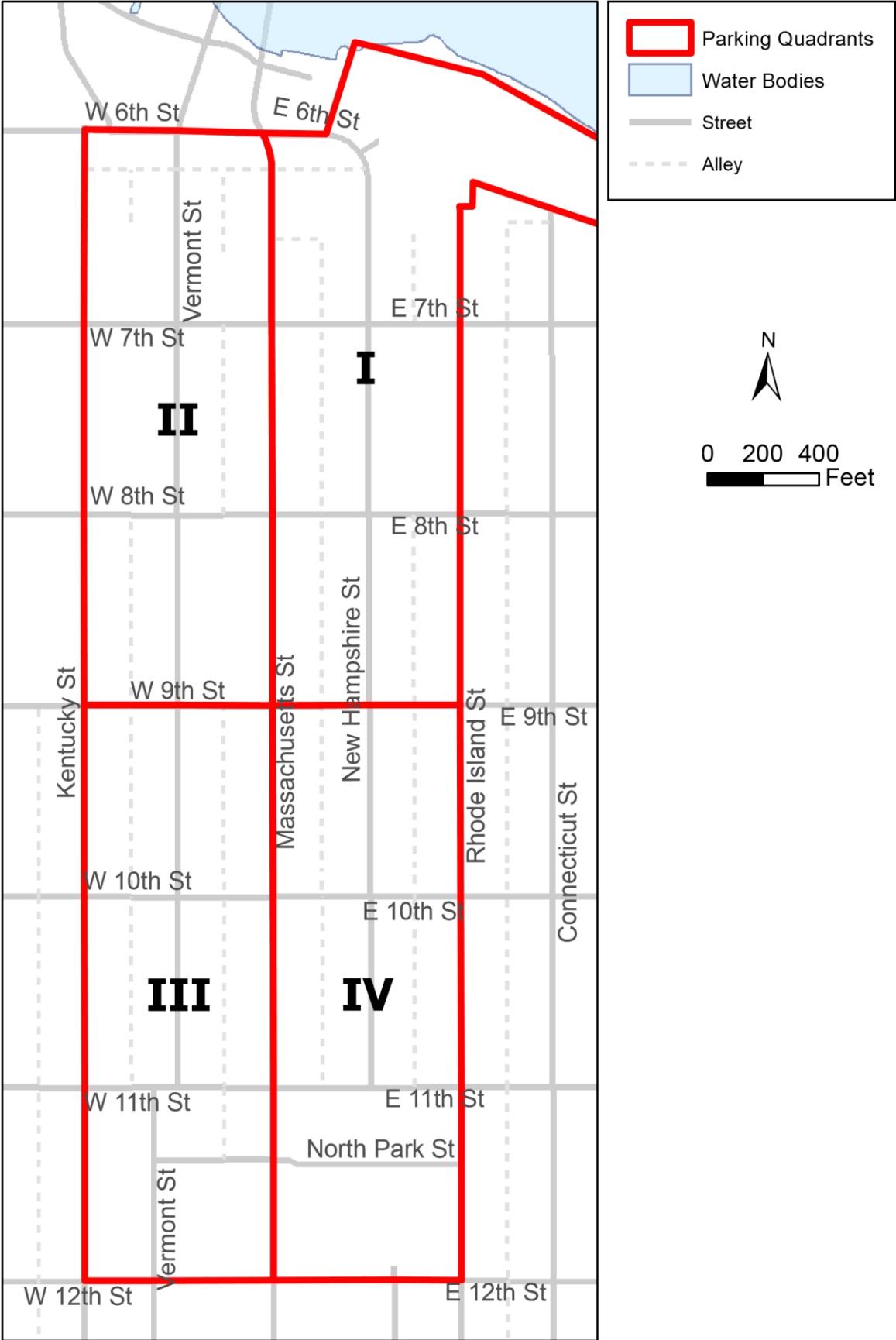
Northeast - Quadrant I.....	157
Northwest - Quadrant II.....	112
Southwest - Quadrant III.....	12
Southeast - Quadrant IV.....	79

The southwest quadrant has approximately 12 long-term spaces vacant at any time during the workweek. (*These figures do not include long-term on-street parking.*) A standard complaint from people in the southwest area of downtown is the lack of parking in general, not necessarily just the long-term space vacancy.

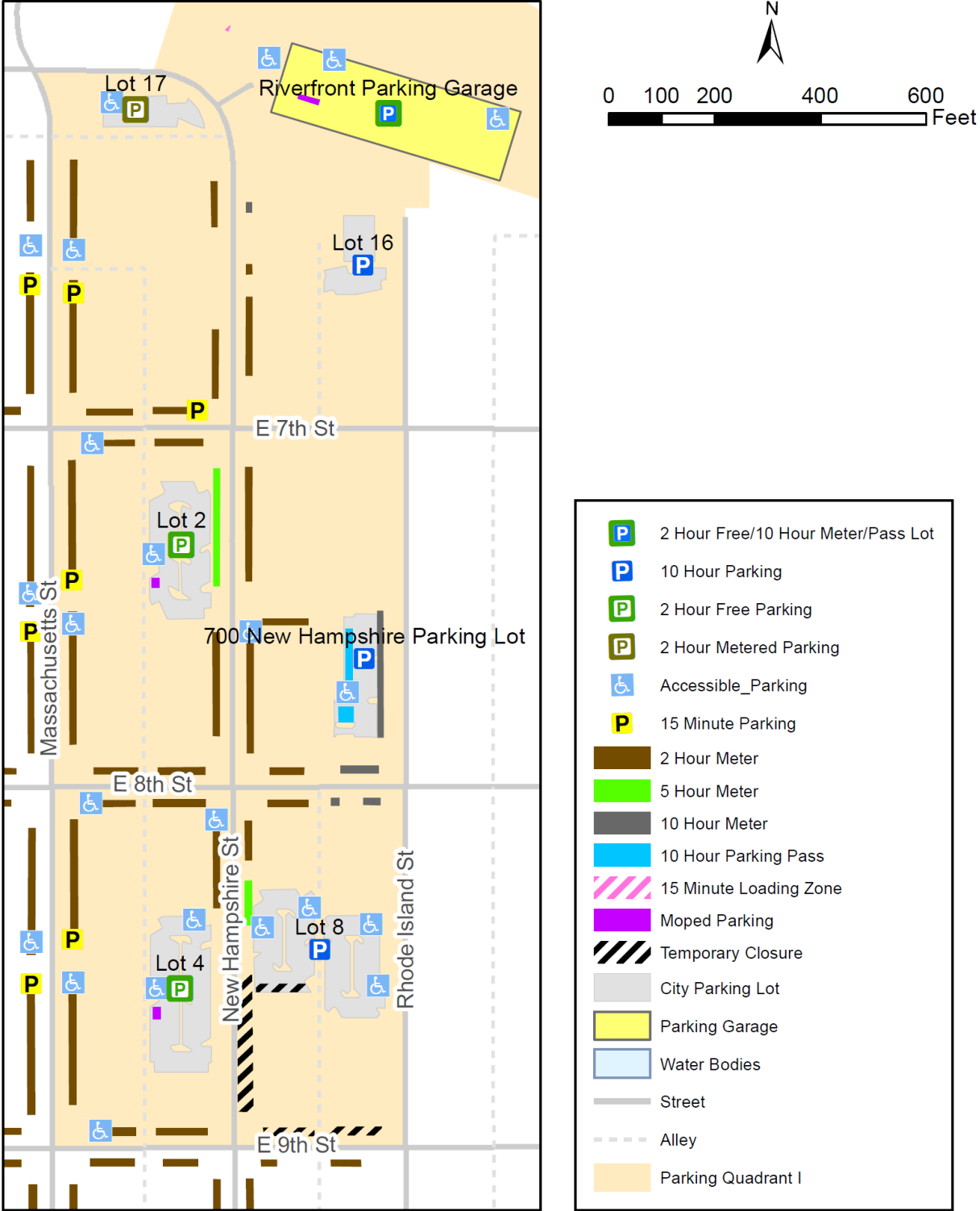
A parking facility in the area of the Community Building parking lot, at Eleventh Street and Vermont, would help ease these concerns, also providing additional parking for the evening and weekend events in South Park, and on Massachusetts Street.

TABLE OF CHARTS/GRAPHS

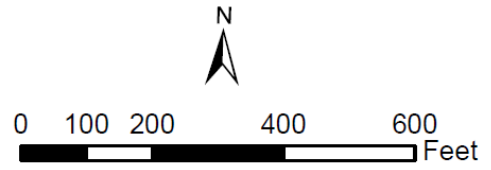
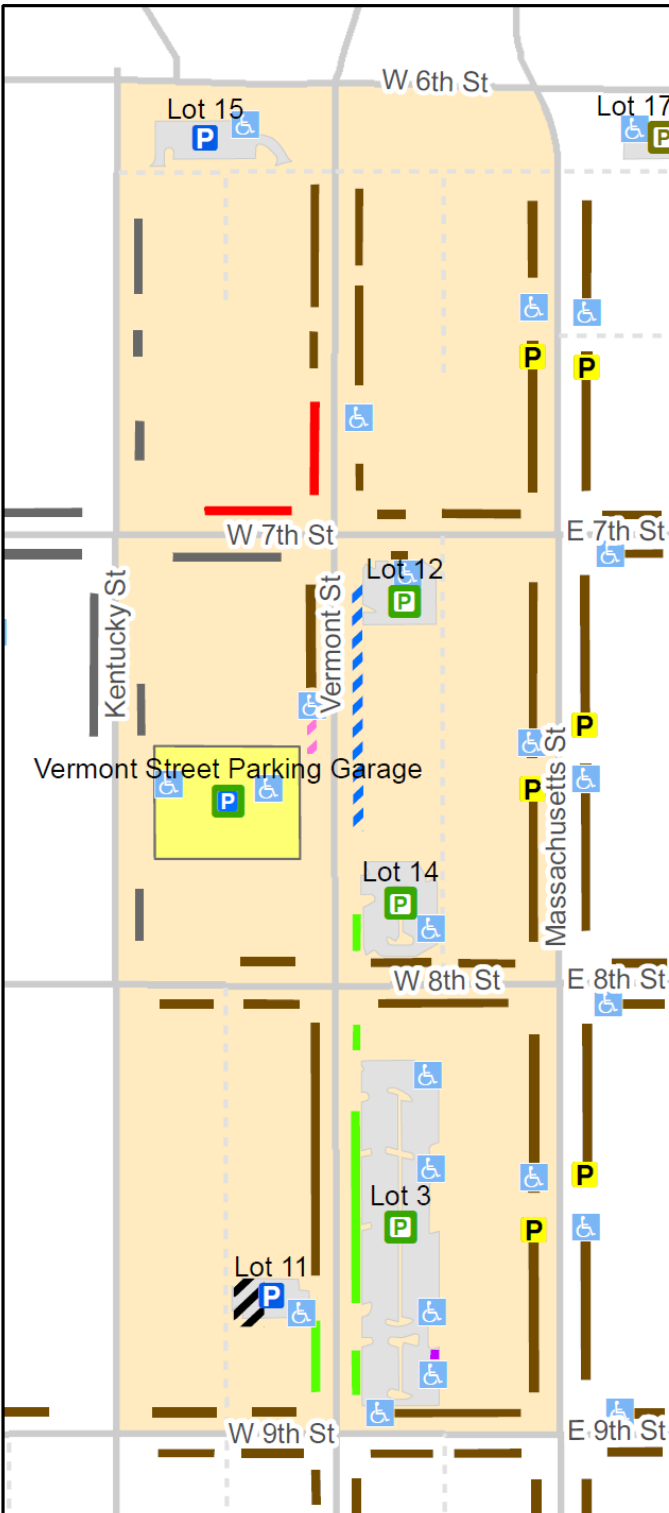
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Downtown Lawrence Parking: Quadrant I, Northeast

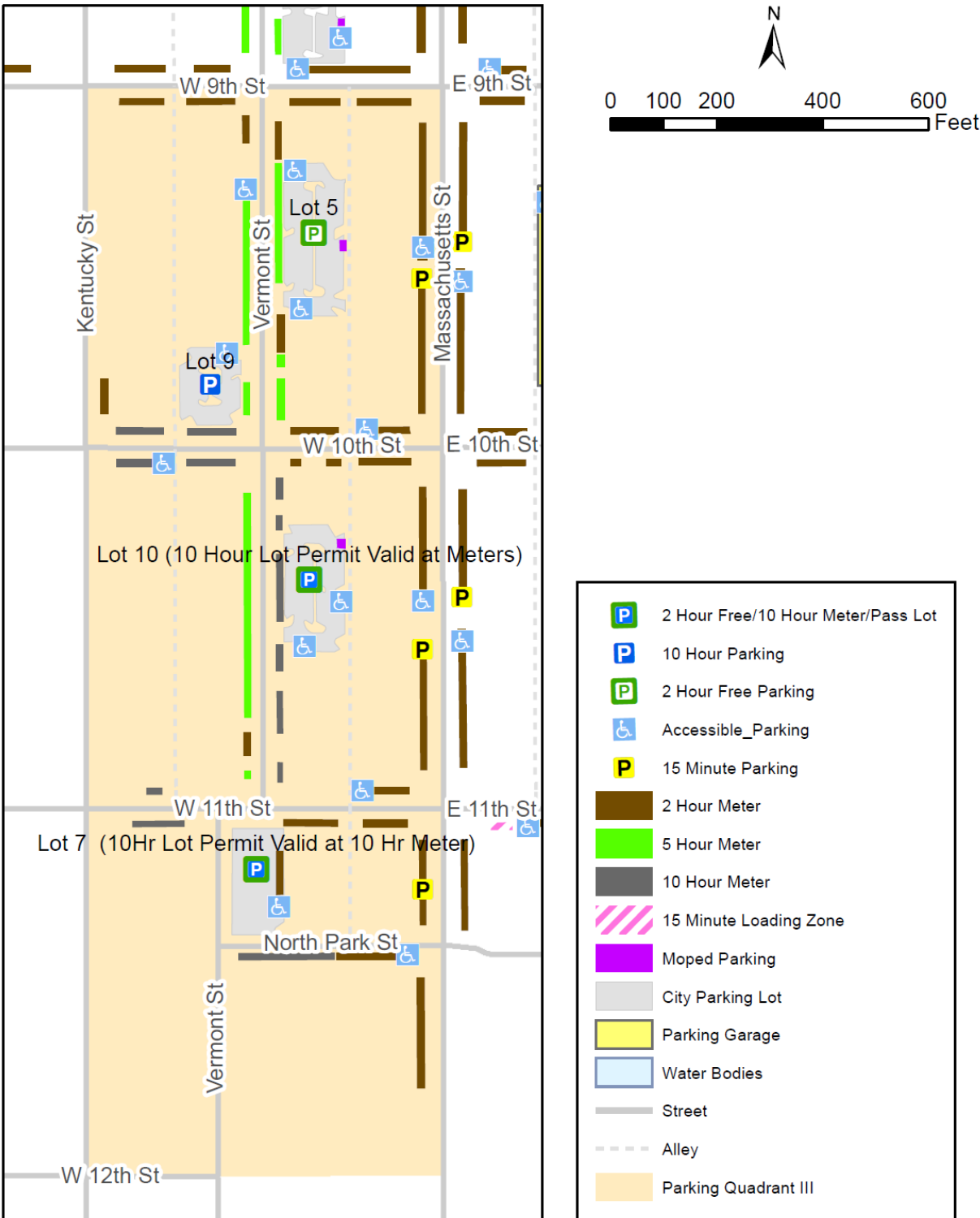


Downtown Lawrence Parking: Quadrant II, Northwest

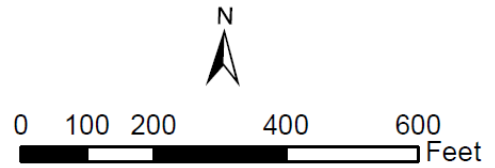
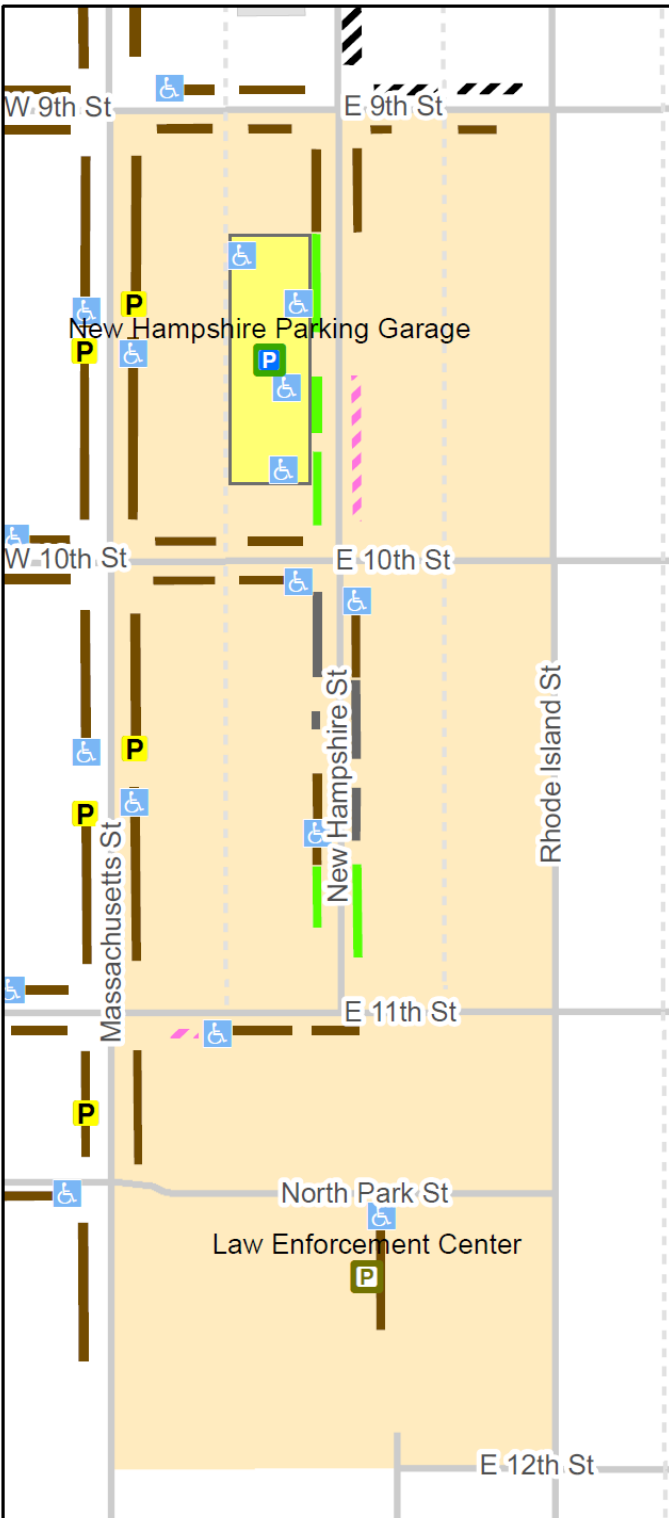


- 2 Hour Free/10 Hour Meter/Pass Lot
- 10 Hour Parking
- 2 Hour Free Parking
- 2 Hour Metered Parking
- Accessible_Parking
- 15 Minute Parking
- 2 Hour Meter
- 5 Hour Meter
- 10 Hour Meter
- 30 Minute Meter
- 15 Minute Loading Zone
- Moped Parking
- Public Transit
- Temporary Closure
- City Parking Lot
- Parking Garage
- Water Bodies
- Street
- Alley
- Parking Quadrant II

Downtown Lawrence Parking: Quadrant III, Southwest



Downtown Lawrence Parking: Quadrant IV, Southeast



- 2 Hour Free/10 Hour Meter/Pass Lot
- 2 Hour Metered Parking
- Accessible_Parking
- 15 Minute Parking
- 2 Hour Meter
- 5 Hour Meter
- 10 Hour Meter
- 15 Minute Loading Zone
- Temporary Closure
- City Parking Lot
- Parking Garage
- Water Bodies
- Street
- Alley
- Parking Quadrant IV

Legend

Parking Lot

- 2 Hour Free & 10 Hour Meter/Pass Lot
- 10 Hour Parking
- 2 Hour Free Parking
- 2 Hour Metered Parking

Accessible Parking

-

15 Minute Parking

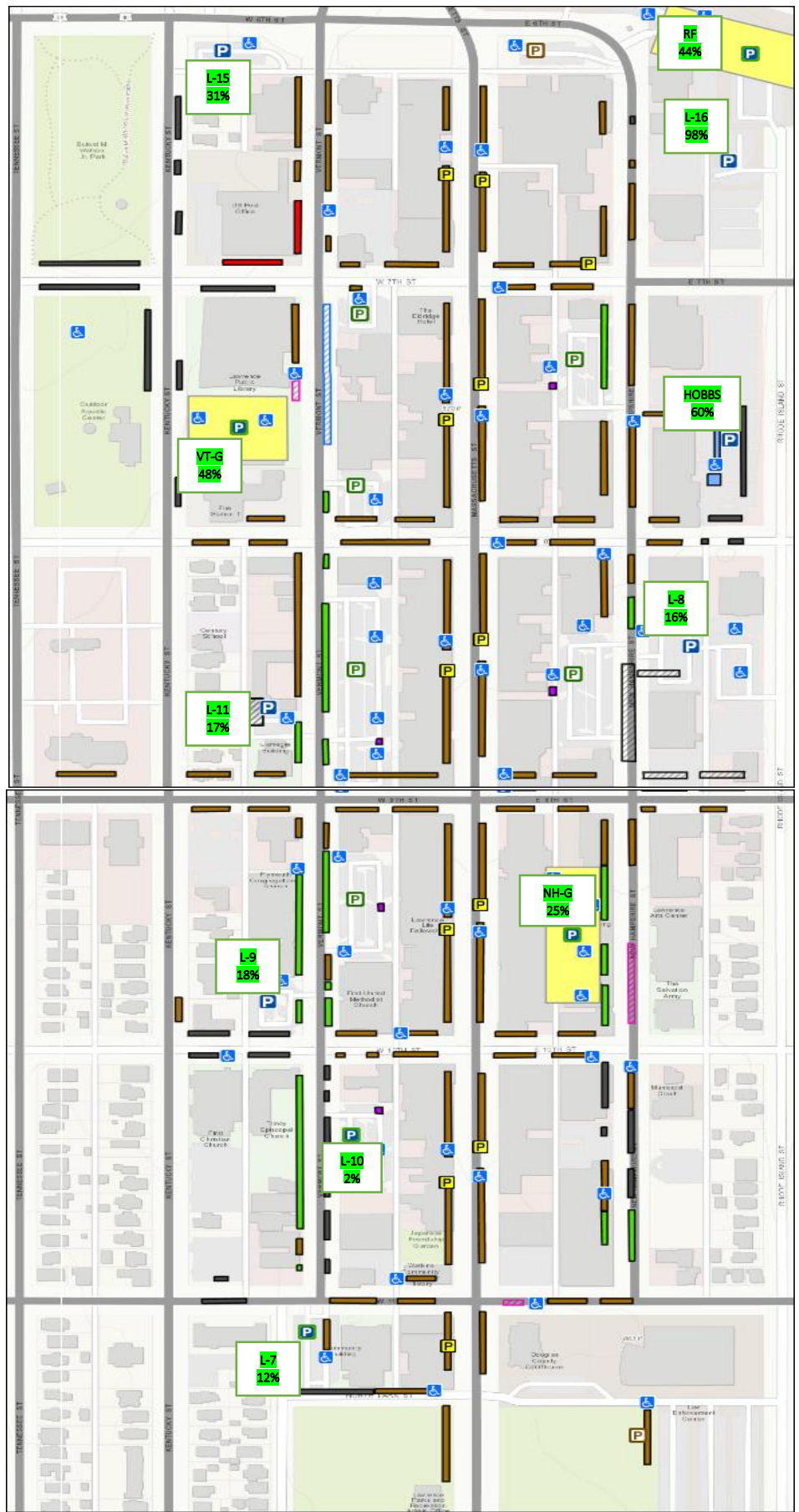
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Street Parking

- 2 Hour Free
- 2 Hour Meter
- 5 Hour Meter
- 10 Hour Meter
- 10 Hour Parking Pass
- 30 Minute Meter
- 15 Minute Loading Zone
- Moped Parking
- Public Transit
- Temporary Closure

Parking Garage

-



LONG TERM SPACES					
QUADRANT	I	II	III	IV	TOTALS
10 HR METER/PASS	171	98	154	15	438
10 HR \$1 PAY/PASS	197	132	0	125	454
10 HR PASS ONLY	24	0	0	0	24
10 HR PASS/2 HR FREE	50	0	0	103	153
10 HOUR FREE	0	72	0	132	204
	442	302	154	375	1273
	35%	24%	12%	29%	100%

SHORT TERM SPACES					
QUADRANT	I	II	III	IV	TOTALS
15 MIN	8	6	4	7	25
30 MIN	0	19	0	0	19
2 HR FREE	219	313	107	90	729
2 HR METER	228	195	154	126	703
5 HR METER	27	25	46	22	120
	482	558	311	245	1596
	30%	35%	19%	15%	100%

DISABLED SPACES					
QUADRANT	I	II	III	IV	TOTALS
DISABLED SPACES	35	28	18	27	108
	32%	26%	17%	25%	100%

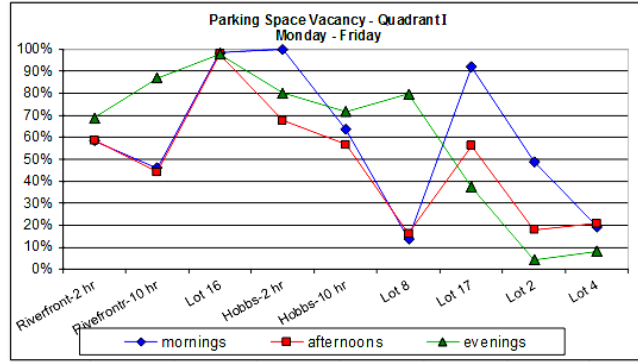
Parking Space Vacancy 2015 - Monday through Friday

Total Parking Lot & Garage Spaces by Downtown Quadrant

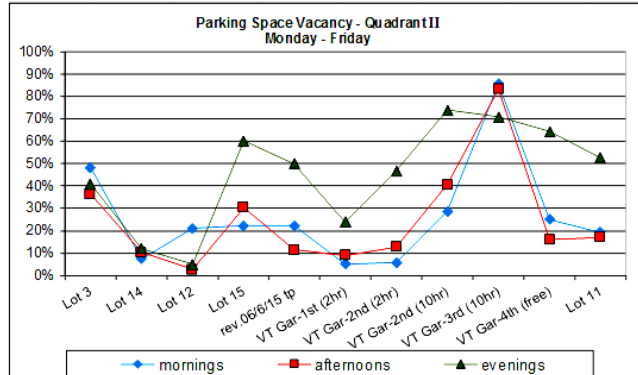
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Quadrant - I	Percent of Parking Vacancy		
	mornings	afternoons	evenings
Riverfront-2 hr	58%	59%	69%
Rivefrontr-10 hr	46%	44%	87%
Lot 16	98%	98%	98%
Hobbs-2 hr	100%	68%	80%
Hobbs-10 hr	64%	57%	72%
Lot 8	14%	16%	80%
Lot 17	92%	56%	37%
Lot 2	49%	18%	4%
Lot 4	19%	21%	8%

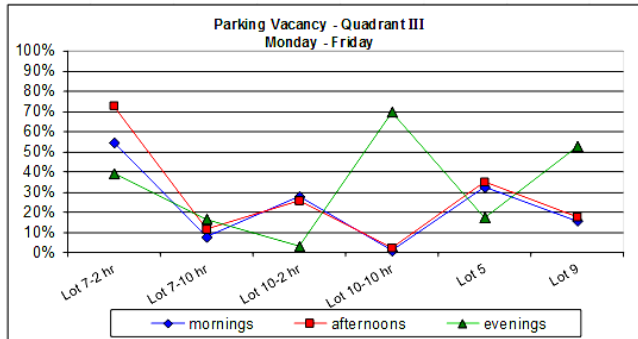
Farmer's Market - Tuesday Afternoons -LOT 8 East Half
Construction SW corner, loss of seven spaces during this time.



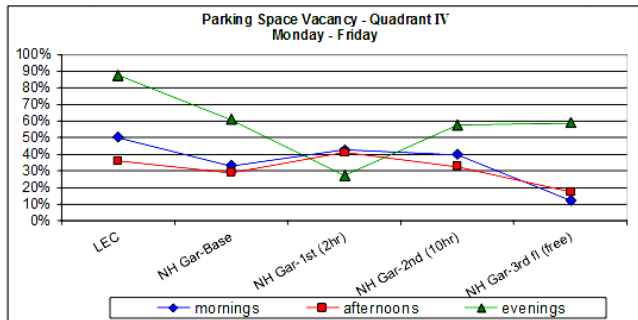
Quadrant - II	Percent of Parking Vacancy		
	mornings	afternoons	evenings
Lot 3	48%	36%	41%
Lot 14	7%	10%	12%
Lot 12	21%	3%	5%
Lot 15	22%	31%	60%
rev.06/6/15 tp	22%	11%	50%
VT Gar-1st (2hr)	5%	9%	24%
VT Gar-2nd (2hr)	6%	13%	47%
VT Gar-2nd (10hr)	29%	41%	74%
VT Gar-3rd (10hr)	86%	83%	71%
VT Gar-4th (free)	25%	16%	64%
Lot 11	19%	17%	53%



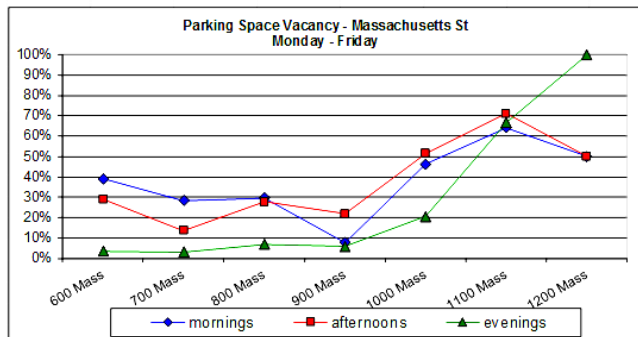
Quadrant - III	Percent of Parking Vacancy		
	mornings	afternoons	evenings
Lot 7-2 hr	55%	73%	39%
Lot 7-10 hr	8%	12%	17%
Lot 10-2 hr	28%	26%	3%
Lot 10-10 hr	1%	2%	70%
Lot 5	33%	35%	18%
Lot 9	16%	18%	53%



Quadrant - IV	Percent of Parking Vacancy		
	mornings	afternoons	evenings
LEC	50%	36%	88%
NH Gar-Base	33%	29%	61%
NH Gar-1st (2hr)	43%	41%	27%
NH Gar-2nd (10hr)	40%	33%	58%
NH Gar-3rd fl (free)	12%	17%	59%



Massachusetts St	Percent of Parking Vacancy		
	mornings	afternoons	evenings
600 Mass	39%	29%	4%
700 Mass	28%	14%	3%
800 Mass	30%	28%	7%
900 Mass	8%	22%	6%
1000 Mass	46%	51%	20%
1100 Mass	64%	71%	67%
1200 Mass	50%	50%	100%



Parking Space Vacancy 2015 - Saturdays

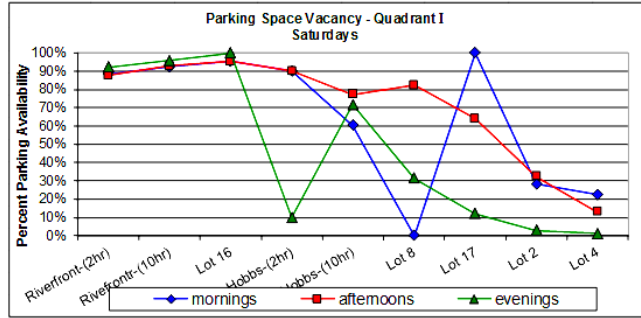
Total Parking Lot & Garage Spaces by Downtown Quadrant

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Percent of Parking Vacancy

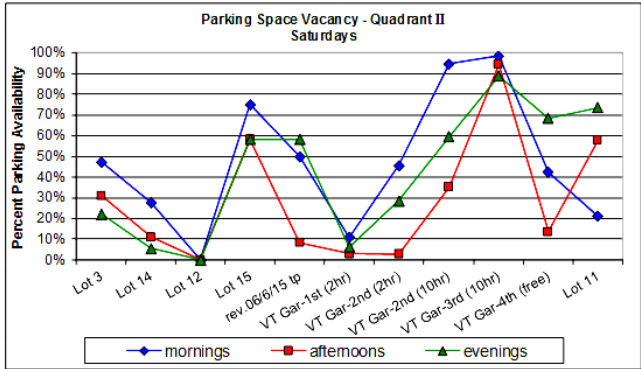
Quadrant - I	mornings	afternoons	evenings
Riverfront-(2hr)	88%	88%	92%
Rivefrontr-(10hr)	92%	93%	96%
Lot 16	95%	95%	100%
Hobbs-(2hr)	90%	90%	10%
Hobbs-(10hr)	60%	77%	72%
Lot 8	0%	82%	31%
Lot 17	100%	64%	12%
Lot 2	28%	32%	3%
Lot 4	22%	13%	1%

*Farmer's Market - Saturday morning



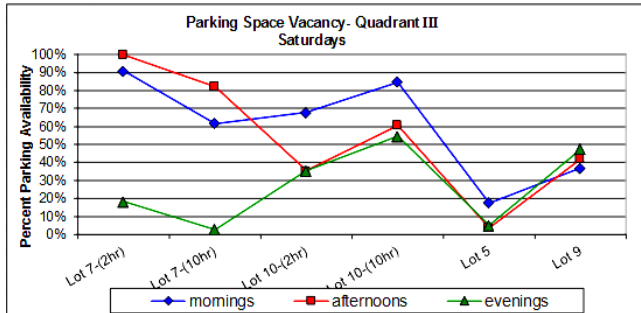
Percent of Parking Vacancy

Quadrant - II	mornings	afternoons	evenings
Lot 3	47%	31%	22%
Lot 14	28%	11%	6%
Lot 12	0%	0%	0%
Lot 15	75%	58%	58%
rev.06/6/15 tp	50%	8%	58%
VT Gar-1st (2hr)	11%	3%	6%
VT Gar-2nd (2hr)	46%	3%	29%
VT Gar-2nd (10hr)	95%	35%	59%
VT Gar-3rd (10hr)	99%	94%	89%
VT Gar-4th (free)	42%	14%	68%
Lot 11	21%	58%	74%



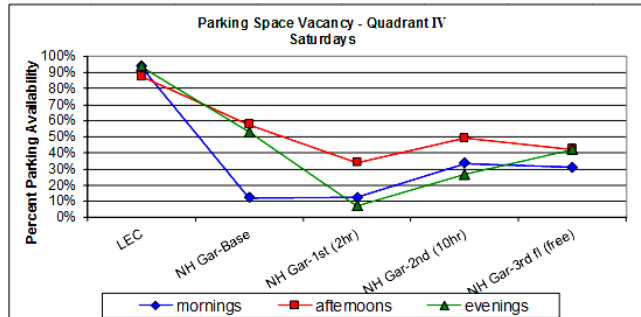
Percent of Parking Vacancy

Quadrant - III	mornings	afternoons	evenings
Lot 7-(2hr)	91%	100%	18%
Lot 7-(10hr)	62%	82%	3%
Lot 10-(2hr)	68%	35%	35%
Lot 10-(10hr)	85%	61%	55%
Lot 5	18%	4%	5%
Lot 9	37%	42%	47%



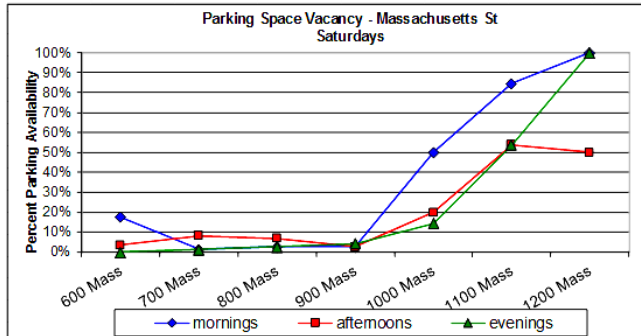
Percent of Parking Vacancy

Quadrant - IV	mornings	afternoons	evenings
LEC	94%	88%	94%
NH Gar-Base	12%	58%	53%
NH Gar-1st (2hr)	12%	34%	7%
NH Gar-2nd (10hr)	34%	49%	27%
NH Gar-3rd fl (free)	31%	42%	42%



Percent of Parking Vacancy

Massachusetts St	mornings	afternoons	evenings
600 Mass	18%	4%	0%
700 Mass	1%	8%	1%
800 Mass	3%	7%	3%
900 Mass	3%	3%	4%
1000 Mass	50%	20%	14%
1100 Mass	85%	54%	54%
1200 Mass	100%	50%	100%



Parking Occupancy Utilization 2015 - Monday through Friday

Total Parking Lot & Garage Spaces by Downtown Quadrant

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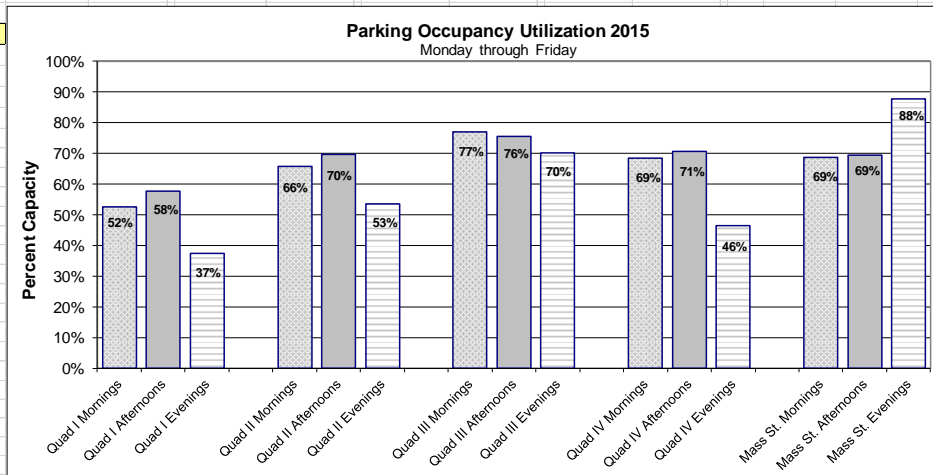
Lot number	Lot Location	Quadrant	Total Inventory	Mornings		Afternoons		Evenings	
				Average # Cars Mornings Mon-Fri	Percent Occupancy Mornings Mon-Fri	Average # Cars Afternoons Mon-Fri	Percent Occupancy Afternoons Mon-Fri	Average # Cars Evenings Mon-Fri	Percent Occupancy Evenings Mon-Fri
Riverfront-2hr	6th & NH	I	129	54	42%	54	41%	40	31%
Riverfront-10hr	6th & NH	I	197	106	54%	110	56%	26	13%
Lot 16	7th & Rhode	I	43	1	2%	1	2%	1	2%
Hobbs-2hr	700 blk NH	I	10	0	0%	3	33%	2	20%
Hobbs-10hr	700 blk NH	I	53	19	36%	23	43%	15	28%
Lot 8	800 blk NH	I	102	88	86%	86	84%	21	20%
Lot 17	6th & NH	I	25	2	8%	11	44%	16	63%
Lot 2	700 blk NH	I	71	36	51%	58	82%	68	96%
Lot 4	800 blk NH	I	85	69	81%	67	79%	78	92%
Lot 3	800 blk VT	II	167	86	52%	106	64%	99	59%
Lot 11	800 blk VT	II	19	15	81%	16	83%	9	47%
Lot 14	8th & VT	II	36	33	93%	32	90%	32	88%
Lot 12	7th & VT	II	27	21	79%	26	97%	26	95%
Lot 15	6th & VT	II	36	28	78%	25	69%	14	40%
VT Gar-Bsmt 10hr	700 blk VT	II	24	19	78%	21	89%	12	50%
VT Gar-1st 2hr	700 blk VT	II	64	61	95%	58	91%	49	76%
VT Gar-2nd 2hr	700 blk VT	II	35	33	94%	31	87%	19	53%
VT Gar-2nd 10hr	700 blk VT	II	37	26	71%	22	59%	10	26%
VT Gar-3rd 10hr	700 blk VT	II	72	10	14%	12	17%	21	29%
VT Gar-4th Free	700 blk VT	II	73	55	75%	61	84%	26	36%
Lot 7-2hr	11th & VT	III	11	5	45%	3	27%	7	61%
Lot 7-10hr	11th & VT	III	34	31	92%	30	88%	28	83%
Lot 10-2hr	1000 blk VT	III	34	22	66%	23	68%	30	88%
Lot 10-10 hr	1000 blk VT	III	30	30	100%	32	108%	10	33%
Lot 9	900 blk VT	III	38	32	84%	31	82%	18	47%
Lot 5	900 blk VT	III	80	54	68%	52	65%	66	83%
NH Garage Basement	900 blk NH	IV	106	71	67%	75	71%	41	39%
NH Garage-2hr	900 blk NH	IV	97	56	57%	57	59%	71	73%
NH Garage-10hr 2nd	900 blk NH	IV	128	77	60%	86	67%	54	42%
NH Garage-10hr 3rd	900 blk NH	IV	135	119	88%	112	83%	55	41%
LEC	Park St N	IV	16	8	50%	10	64%	2	13%
Massachusetts St	600 blk		57	35	61%	41	71%	55	96%
Massachusetts St	700 blk		73	52	72%	63	86%	71	97%
Massachusetts St	800 blk		73	51	70%	53	72%	68	93%
Massachusetts St	900 blk		73	67	92%	57	78%	69	94%
Massachusetts St	1000 blk		70	38	54%	34	49%	56	80%
Massachusetts St	1100 blk		13	5	36%	4	29%	4	33%
Massachusetts St	1200 blk		8	4	50%	4	50%	0	0%

2381

Mon-Fri	
Quadrant I - Northeast	
Lot Capacity AM-	52%
Lot Capacity PM-	58%
Lot Capacity Evenings-	37%
Quadrant II - Northwest	
Lot Capacity AM-	66%
Lot Capacity PM-	70%
Lot Capacity Evenings-	53%
Quadrant III - Southwest	
Lot Capacity AM-	77%
Lot Capacity PM-	76%
Lot Capacity Evenings-	70%
Quadrant IV - Southeast	
Lot Capacity AM-	69%
Lot Capacity PM-	71%
Lot Capacity Evenings-	46%
Massachusetts Street	
Mass AM-	69%
Mass PM-	69%
Mass Evenings-	88%

Parking Occupancy Monday-Friday

Quad I Mornings	52%
Quad I Afternoons	58%
Quad I Evenings	37%
Quad II Mornings	66%
Quad II Afternoons	70%
Quad II Evenings	53%
Quad III Mornings	77%
Quad III Afternoons	76%
Quad III Evenings	70%
Quad IV Mornings	69%
Quad IV Afternoons	71%
Quad IV Evenings	46%
Mass St. Mornings	69%
Mass St. Afternoons	69%
Mass St. Evenings	88%



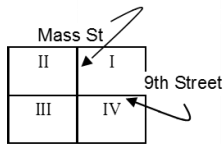
Parking Space Inventory 2015

Parking Lot & Garage Spaces by Quadrant - (Massachusetts Street included, but no other on-street parking.)

Lawrence, Kansas

*Downtown quadrants are separated north and south by 9th Street, and east and west by Massachusetts Street.

- QUADRANT - I -NORTHEAST
- QUADRANT - II -NORTHWEST
- QUADRANT - III -SOUTHWEST
- QUADRANT - IV -SOUTHEAST



Figures for Reserved, City & Private are not used for capacity reporting.

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City Lot	Quad	Location	2 hr meters	10 hr meters	2 hr non-metered	10 hr non-metered	FREE	Reserved City & Private	Handi-capped	Total Lot Spaces	Total Lot Spaces per Quadrant (minus city, reserved & private)	
17	I	600 block New Hamp	23						2	25	715	Quadrant 'I' Northeast
Riverfront	I	600 block New Hamp			118	197		160	11	486		
16	I	600 block Rhode Is		43						43		
2	I	700 block New Hamp			70				2	71		
Hobbs	I	700 block New Hamp	10	25		24			4	63		
4	I	800 block New Hamp			82			1	3	86	590	Quadrant 'II' Northwest
8	I	800 block New Hamp		97					5	102		
15	II	600 block Vermont		35					1	36		
VT Garage	II	700 block Vermont			92	132	72	6	9	311		
12	II	700 block Vermont			26				1	27		
14	II	700 block Vermont			34				2	36	227	Quadrant 'III' Southwest
11	II	800 block Vermont		17				2	2	21		
3	II	800 block Vermont			161				6	167		
9	III	900 block Vermont		36					2	38		
5	III	900 block Vermont			76			1	4	81		
7	III	1100 block Vermont	8	34				1	3	46	482	Quadrant 'IV' Southeast
10	III	1000 block Vermont		30	31				3	64		
NH Garage	IV	900 block New Hamp			193	125	132	26	16	492		
LEC	IV	1200 block Mass	14						2	16		

Lot/Garage Spaces 2211
 Minus Reserved City & Private 197
Total Surface Lot/Garage Space Inventory 2014

Location	2 hr meters	15 min meters	Handi-capped	Total Spaces
600 block Mass	51	4	2	57
700 block Mass	67	4	2	73
800 block Mass	67	4	2	73
900 block Mass	67	4	2	73
1000 block Mass	64	4	2	70
1100 block Mass	12	1		13
1200 block Mass	7		1	8
Massachusetts Spaces				367