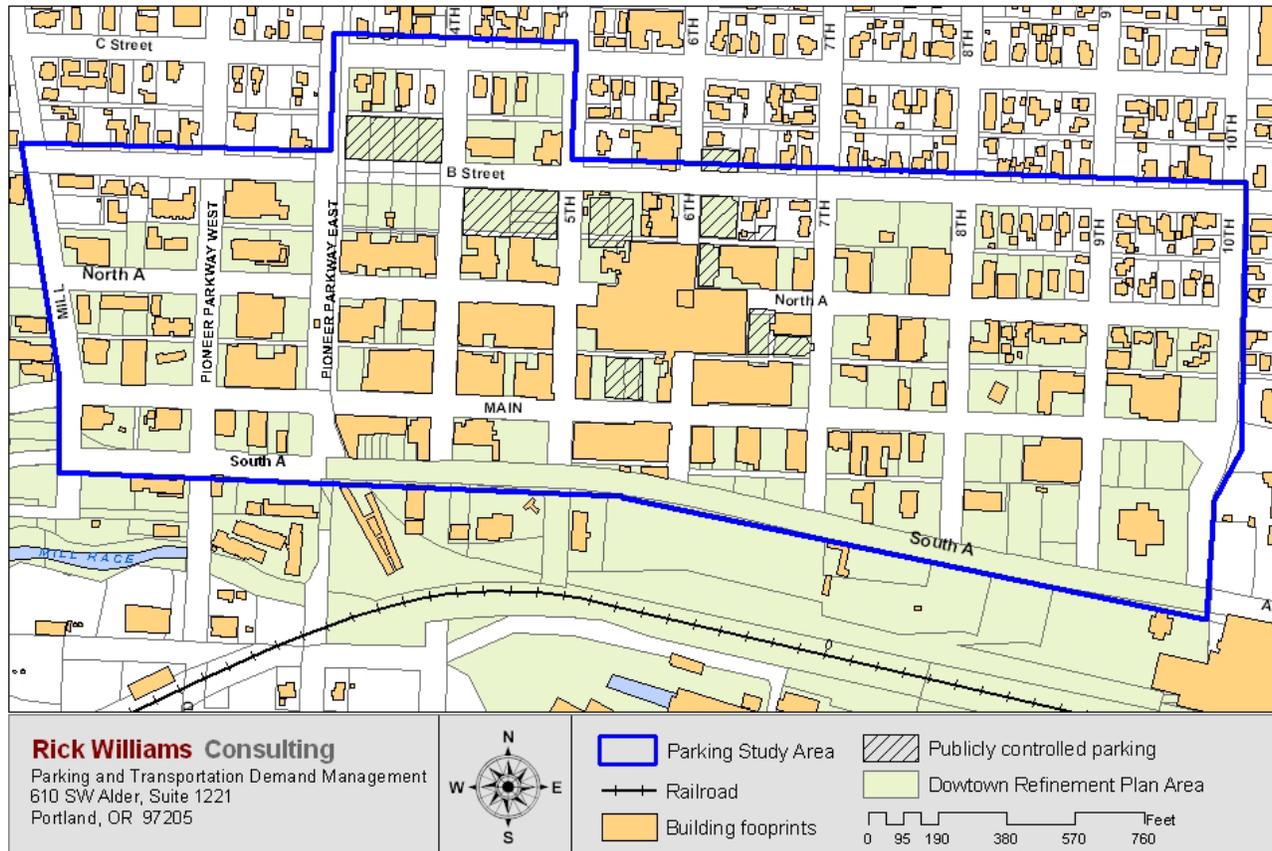


# Downtown Springfield Parking Data Summary

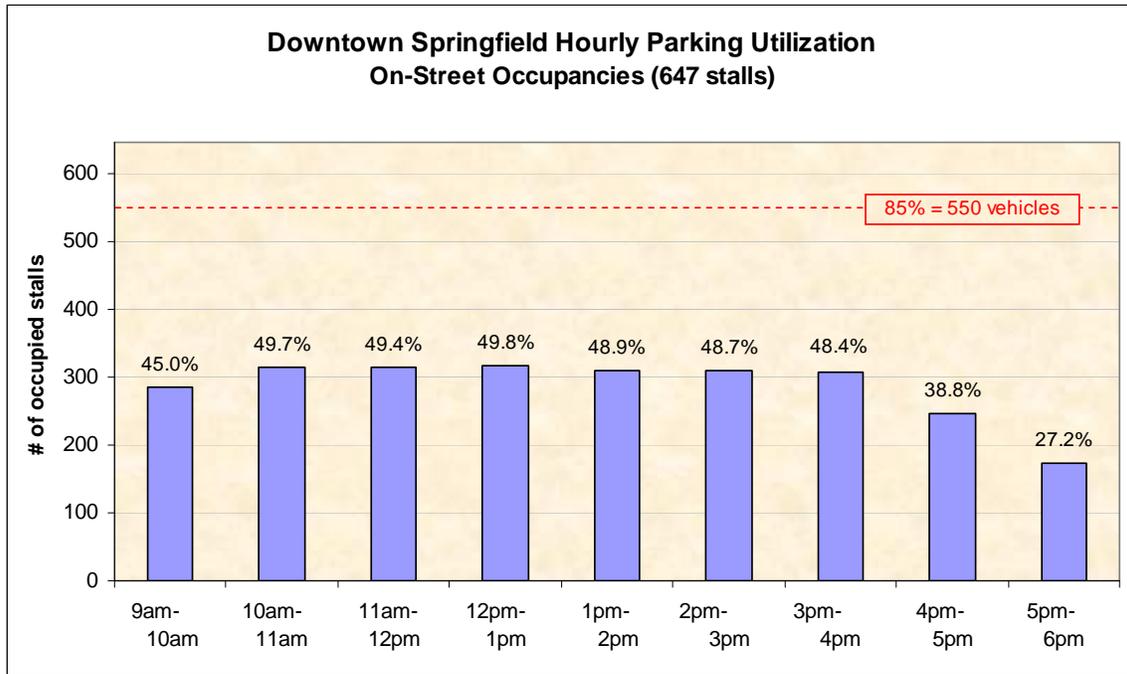
**Figure A**  
**Downtown Core Zone Study Area**



**Table 1**  
**Parking Inventory – Downtown Study Zone**

Downtown Springfield Parking Stall Breakout		
<i>On-Street Stalls by Type</i>	Number of Stalls	% of Total Stalls
- 10 minutes	3	<1%
- 15 minutes	1	<1%
- 30 minutes	24	3.7%
- 1 hour	1	<1%
- 2 hours	348	54.0%
- No Limit	264	40.5%
- Funeral Parking Only	6	<1%
<b><i>On-Street Parking Stalls</i></b>	<b>647</b>	<b>100%</b>
<b>Public Off-Street Stalls (12 sites)</b>	283	24.1%
<b>Private Off-Street Stalls (47 sites)</b>	889	75.9%
<b><i>Total Off-Street Parking Stalls</i></b>	<b>1,172</b>	<b>100%</b>
<b>Total Supply Surveyed</b>	<b>1,819</b>	

**Figure B**  
**Hourly On-Street Parking Occupancies**



**Table 2**  
**On-Street Parking Summary by Time Stay**

Downtown Springfield Parking Study Area – On-Street Stalls Only					
Type of Stall	# of Stalls	Peak Hour	Peak Occupancy	Stalls Available (empty)	Average Length of Stay
<b>All Stalls</b>	<b>647</b>	<b>noon – 1:00 pm</b>	<b>49.8%</b>	<b>330</b>	<b>3 hr/ 29 min.</b>
<b>Usage by Time Stay</b>					
10 minutes	3	1:00 – 2:00 pm	100%	0	N/A
15 minutes	1	1:00 – 2:00 pm 3:00 – 6:00 pm	100%	0	N/A
30 minutes	24	10:00 – 11:00 am 3:00 – 4:00 pm	54.2%	11	N/A
1 hour	1	11:00 am – 1:00 pm	100%	0	2 hr/ 0 min.
2 hours	348	1:00 – 2:00 pm	59.1%	149	2 hr/ 46 min.
No Limit	264	noon – 1:00 pm	42.0%	153	4 hr/ 8 min.
Funeral Parking Only	6	2:00 – 3:00 pm	83.3%	1	2 hr/ 30 min.

# Downtown Springfield Parking Management Study Area On-Street Peak Hour Occupancies



**Table 3  
On-Street Parking: Summary of Use Characteristics  
Complete Study Area (647 stalls)**

<b>USE CHARACTERISTIC</b>	<b>September 2009</b>
Average length of stay per vehicle per occupied stall	3 hrs./ 25 minutes
Actual number of unique vehicles	1,031
Actual number of vehicle hours parked	2,596
Actual turnover rate (number of cars to use a single occupied stall over a 10 hour period)	3.0
% of unique vehicles violating the posted time stay	24.3%
% of total vehicle hours spent in violation of posted time stay	35.6%

**Table 4  
Summary of Demand Calculations**

Built land use in study zone (office, retail, restaurant, govt., entertainment)	811,204 SF
Built parking ratio: All parking (on and off-street)	2.24 stalls per 1,000 SF
Estimated occupied land use in study zone	735,008 SF
Actual Parking Demand (assumes 9.4% vacancy rate and 964 vehicles parked at peak hour)*	1.31 stalls per 1,000 SF
Actual Parking Demand (assumes 25% vacancy and 964 vehicles parked at peak hour)**	1.59 stalls per 1,000 SF

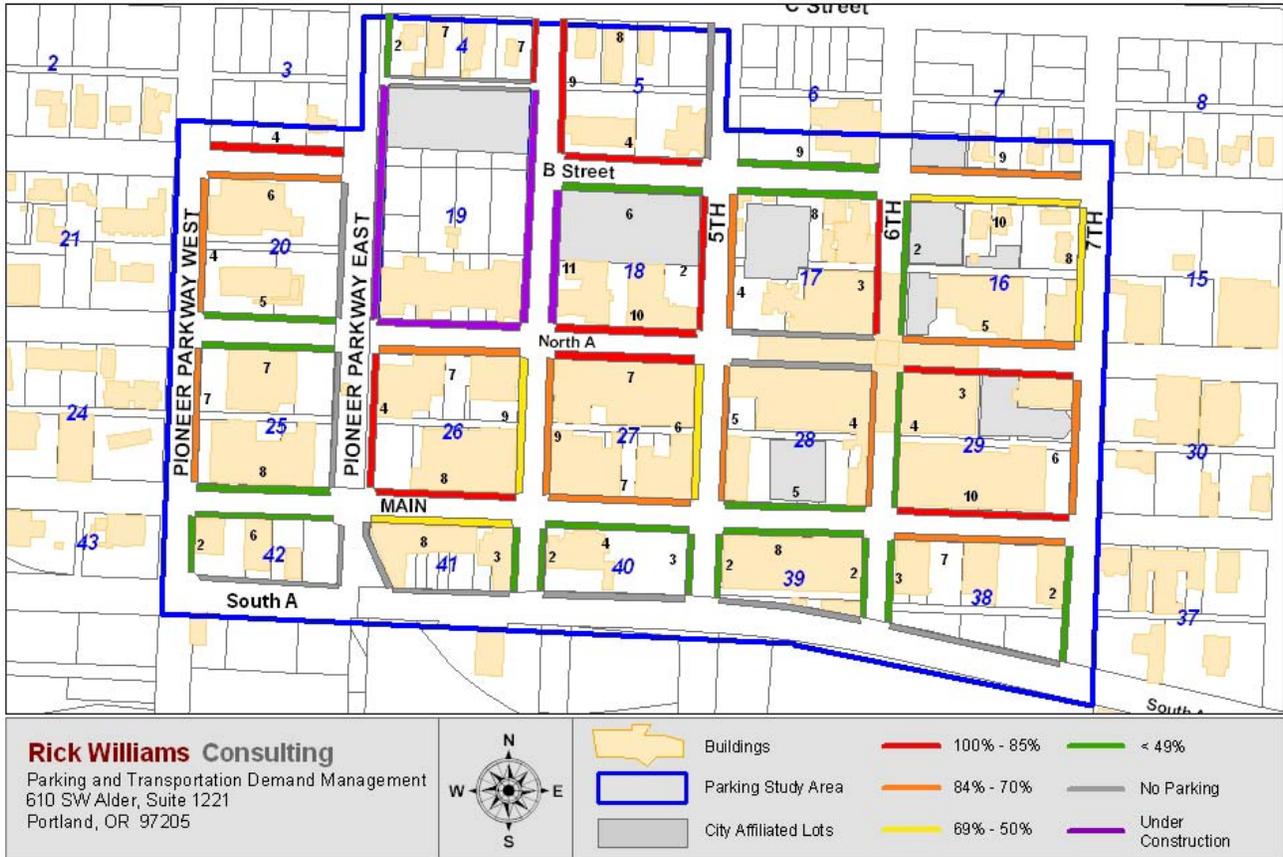
\* Vacancy of 9.4% was derived from data provided to the study by the City of Springfield.

\*\*Interviews with various downtown stakeholders indicated a belief that vacancies as provided in the City data may be inaccurate. Stakeholder input describes vacancies as high as 25%.

# Nodal Analysis – High Occupancy Node

**Figure D**  
High Occupancy Node Boundaries

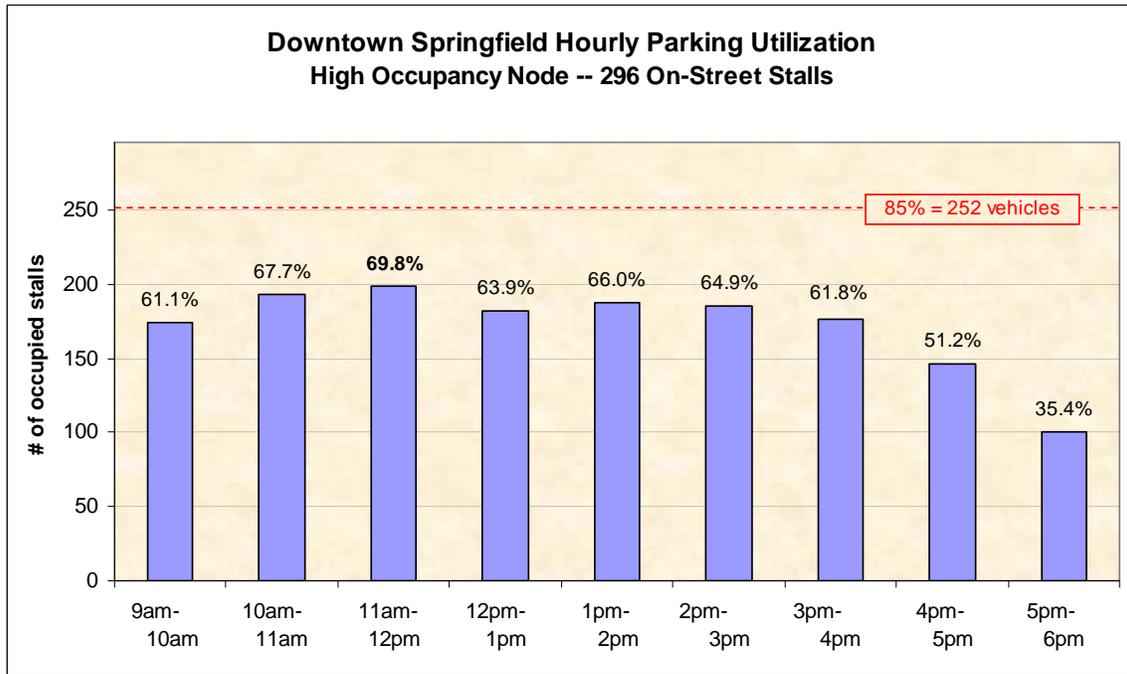
**Downtown Springfield Parking Management Study Area**  
On-Street Peak Hour Occupancies -- High Occupancy Node



**Table 5**  
Parking Inventory – High Occupancy Node

Downtown Springfield Parking Stall Breakout – High Occupancy Node		
On-Street Stalls by Type	Number of Stalls	% of Total Stalls
- 30 minutes	8	2.7%
- 2 hours	246	83.1%
- No Limit	38	12.8%
- Funeral Parking Only	4	1.4%
<b>On-Street Parking Stalls</b>	<b>296</b>	<b>100%</b>

**Figure E**  
**Hourly On-Street Parking Occupancies**



**Table 6**  
**On-Street Parking Summary by Time Stay**  
**High Occupancy Node**

<b>Downtown Springfield Parking Study Area – High Occupancy Node</b>					
<b>Type of Stall</b>	<b># of Stalls</b>	<b>Peak Hour</b>	<b>Peak Occupancy</b>	<b>Stalls Available (empty)</b>	<b>Average Length of Stay</b>
<b>All Stalls</b>	<b>296</b>	<b>11:00 am – noon</b>	<b>69.8%</b>	<b>97</b>	<b>3 hr/ 20 min.</b>
<b>Usage by Time Stay</b>					
30 minutes	8	11:00 am – 1:00 pm	62.5%	3	N/A
2 hours	246	11:00 am – noon	63.8%	89	2 hr/ 51 min.
No Limit	38	11:00 am – noon	92.1%	3	4 hr/ 51 min.
Funeral Parking Only	4	2:00 – 3:00 pm	100%	0	3 hr/ 0 min.

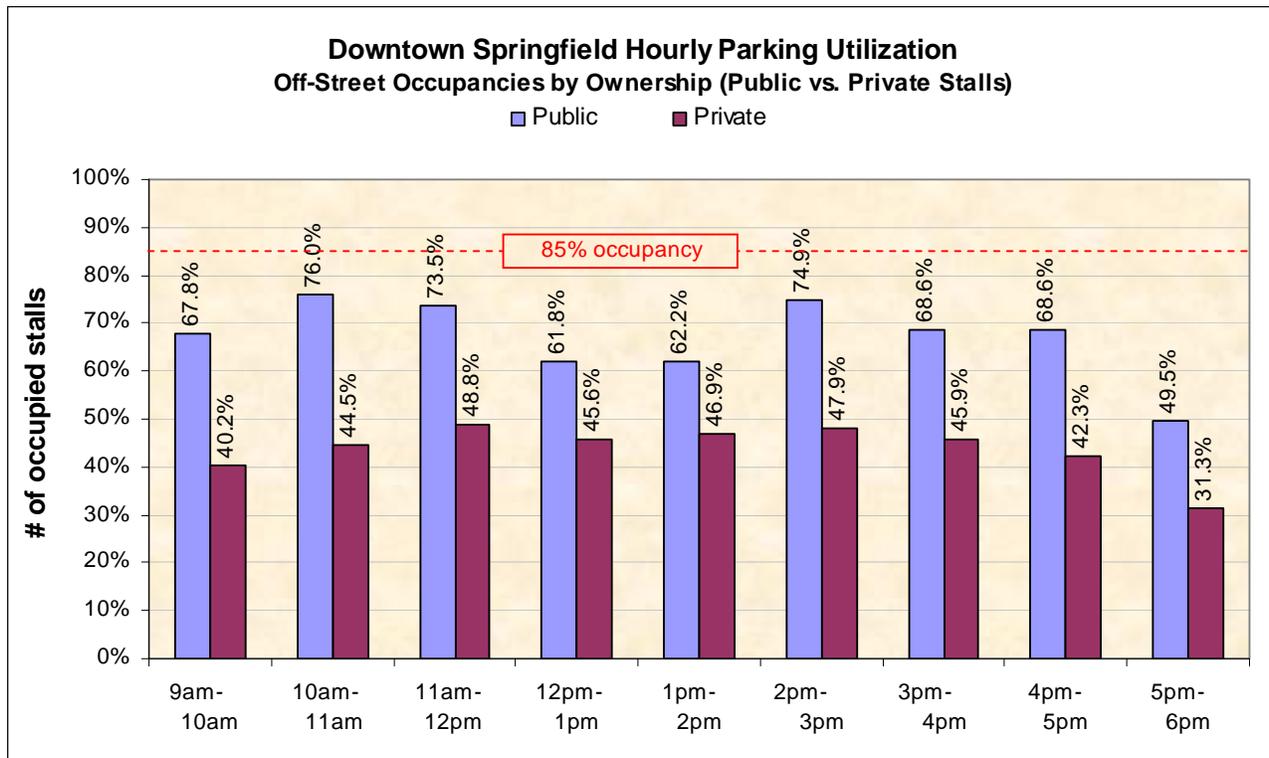
# Off-Street Preliminary Data Findings

**Table 7**  
**Off-Street Parking: Summary of Study Zone**

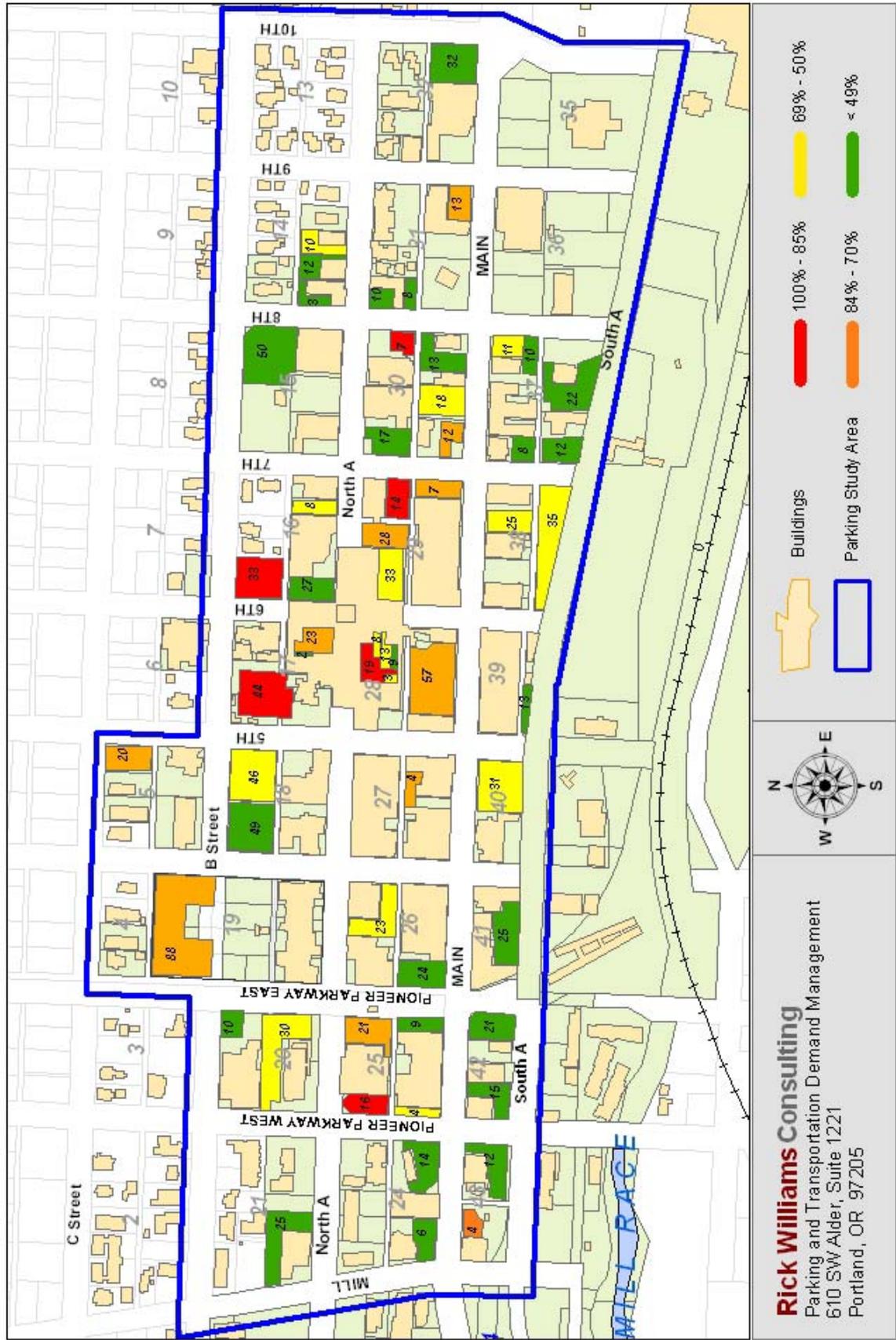
Type of Stall	# of Lots	# of Stalls	Peak Hour	Peak Occupancy	Stalls Available (empty)
<b>All Stalls</b>	<b>59</b>	<b>1,172</b>	<b>11 am – Noon</b>	<b>54.8%</b>	<b>561</b>
<b>Usage by Type</b>					
Private Lots	47	889	Noon – 1 pm	57.1%	27
Public Lots	12*	283	Noon – 1 pm	67.2%	171

\*Could indicate multiple “stall designations” for a particular user type within a single surface lot; does not reflect the actual number of individual public lots.

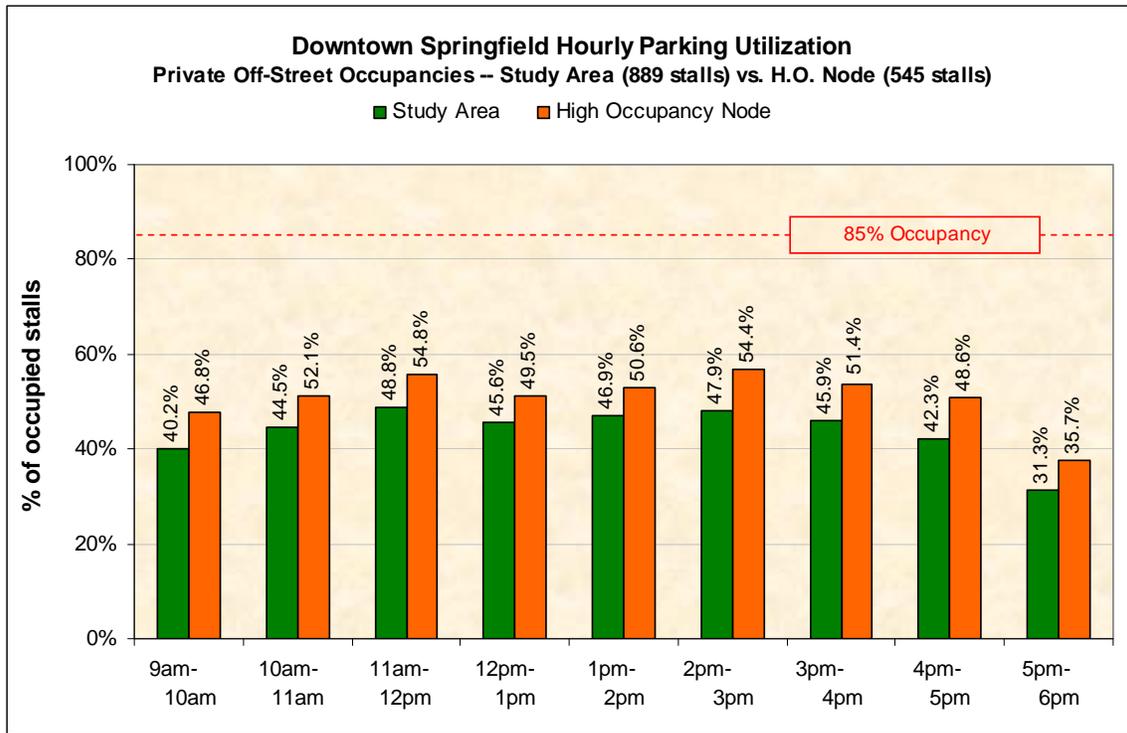
**Figure F**  
**Hourly Off-Street Parking Occupancies**



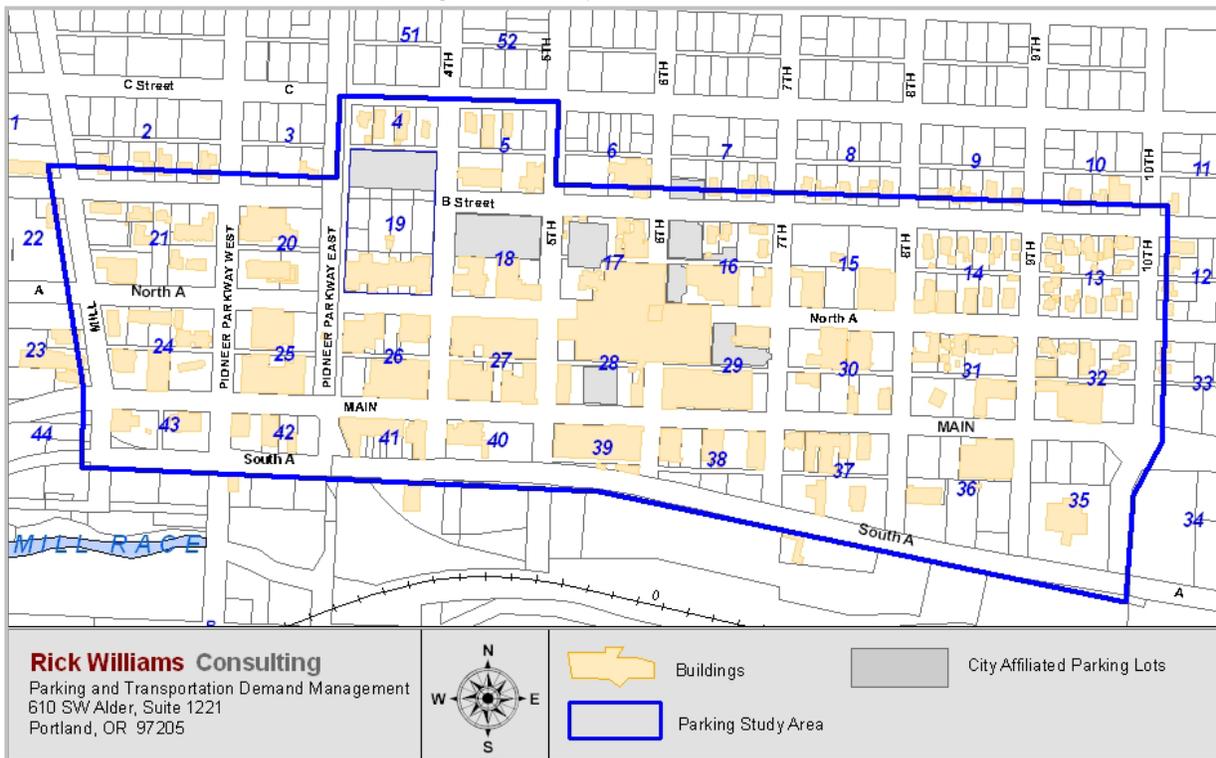
# Downtown Springfield Master Plan Parking Management Study Area -- Off-Street Lot Parking Occupancies



**Figure H**  
**Off-Street Occupancy Comparison – Study Area vs. H.O. Node**



**Figure I**  
**Downtown Springfield Study Area Map – Block ID Numbers**



**Table 8  
Downtown Springfield Off-Street Parking  
Peak Hour Occupancies**

<b>Block #</b>	<b>Total Stalls</b>	<b>Specific Site Peak Hour Occupancy</b>	<b>Peak Hour</b>	<b># of Stalls Available at Peak</b>
40	31	64.5%	2:00 – 3:00 pm	11
41	25	36.0%	10:00 am – noon	16
42	21	52.4%	1:00 – 2:00 pm	10
43	12	50.0%	1:00 – 2:00 pm	6
43	4	100%	noon – 2:00 pm	0
24	6	50.0%	10:00 – 11:00 am 4:00 – 5:00 pm	3
24	14	78.6%	noon – 1:00 pm	3
25	4	50.0%	9:00 am – 5:00 pm	2
25	16	93.8%	10:00 – 11:00 am	1
25	21	90.5%	2:00 – 3:00 pm	2
25	9	66.7%	3:00 – 4:00 pm	3
26	24	16.7%	1:00 – 2:00 pm	20
26	23	56.5%	11:00 am – noon	10
27	4	100%	2:00 – 4:00 pm	0
17	44	100%	10:00 – 11:00 am	0
17	23	87.0%	2:00 – 3:00 pm	3
17	2	0%	N/A	2
18	46	54.3%	9:00 – 11:00 am	21
18	49	53.1%	2:00 – 3:00 pm	23
5	20	70.0%	9:00 am – Noon 3:00 – 4:00 pm	6
19	88	80.7%	11:00 am – noon	16
20	10	80.0%	5:00 – 6:00 pm	2
20	30	90.0%	2:00 – 3:00 pm	3
21	25	44.0%	3:00 – 4:00 pm	14
28	57	82.5%	11:00 am – noon	10
28	9	33.3%	10:00 am – 2:00 pm	6
28	3	66.7%	10:00 am – noon	1
28	13	61.5%	10:00 am – noon	5
28	8	87.5%	2:00 – 3:00 pm	1
28	19	89.5%	9:00 am – noon	2
39	13	23.1%	9:00 – 10:00 am	10

38	35	60.0%	Noon – 1:00 pm	14
38	25	68.0%	Noon – 1:00 pm	8
29	14	114.3%	1:00 – 2:00 pm	(2)
29	28	78.6%	9:00 – 10:00 am 2:00 – 3:00 pm	6
29	33	100%	3:00 – 4:00 pm	0
29	7	85.7%	4:00 – 5:00 pm	1
16	33	100%	3:00 – 4:00 pm	0
16	27	59.3%	4:00 – 5:00 pm	11
16	8	100%	2:00 – 4:00 pm	0
15	50	50.0%	9:00 – 10:00 am 4:00 – 5:00 pm	25
30	7	100%	11:00 am – 5:00 pm	0
30	13	53.8%	2:00 – 3:00 pm	6
30	18	55.6%	11:00 am – 1:00 pm	8
30	12	100%	9:00 – 10:00 pm	0
30	17	52.9%	Noon – 1:00 pm	8
37	12	50.0%	1:00 – 2:00 pm	6
37	8	25.0%	11:00 am – noon	6
37	22	4.5%	9:00 am – 2:00 pm	21
37	10	40.0%	Noon – 1:00 pm	6
37	11	63.6%	10:00 – 11:00 am	4
31	13	76.9%	11:00 am – noon	3
31	8	50.0%	3:00 – 4:00 pm	4
31	10	50.0%	2:00 – 3:00 pm	5
32	32	3.1%	4:00 – 5:00 pm	31
14	10	70.0%	1:00 – 3:00 pm	3
14	12	41.7%	10:00 – 11:00 am 3:00 – 4:00 pm	7
14	9	44.4%	1:00 – 2:00 pm	5
<b>1,172</b>		<b>54.8%</b>	<b>11:00 am – noon</b>	<b>530</b>