

City of Frankfort
 Second Street TIGER Grant Project
 Corridor Parking Utilization Study

In accordance with the agreement between Strand Associates, Inc. and the City of Frankfort concerning the Second Street TIGER Grant Project, the City of Frankfort agreed to conduct a parking utilization study along the Second Street corridor.

Methodology

Using a corridor map, individual street segments and parking areas were defined (see Attachment A). An individual street segment typically involves a one block length of street and a parking area typically involves one or more public and private parking lots located between individual street segments. Along the Second Street corridor, there were thirteen street segments and ten parking areas defined.

An inventory was conducted for each street segment and parking area. For each street segment, the number of on-street parking spaces, including marked Americans with Disabilities Act (ADA) parking spaces, were counted or estimated. For each parking area, the number of off-street public and private parking spaces, including marked ADA parking spaces, were counted or estimated. The following table shows the results of this inventory for each street segment and parking area shown in Attachment A:

Street Segment/ Parking Area	Number of Spaces Including (ADA)
A	19
B	99(1)
C	114(3)
D	84(7)
E	114(2)
F	58(4)
G	27(2)
H	67
I	65(4)
J	77(3)
K	12
L	11(1)
M	20
N	31
O	28

P	25(3)
Q	4
R	8
S	5
T	12(1)
U	6
V	28
W	0
Total	914 (31)

As can be seen by the total, there are 914 parking spaces including 31 marked ADA spaces. This total is comprised of 190 on-street, 291 off-street public, and 433 off-street private parking spaces.

Actual parking counts for all street segments/parking areas were conducted for five different timeframes: weekday morning, weekday midday, weekday afternoon, weekend midday, and weekend evening. There was also a parking count conducted for the Second Street School dismissal period. This particular count involved four street segments and four parking areas near Second Street School. The specific date, start time, weather, and street segment/parking area counts for each of these timeframes are shown in Attachments B-G.

Results

The count summary of each of the six individual timeframes is shown in the table below. The corresponding percentage of counted parked vehicles versus the maximum number of parking spaces available is also shown in the table.

Timeframe		On-Street	Public Off-Street	Private Off-Street	Total
Weekday Morning (Attachment B)	Maximum #	190	291	433	914
	Counted	48	157	180	385
	% Maximum	25.3	54.0	41.6	40.3
Weekday Midday (Attachment C)	Maximum #	190	291	433	914
	Counted	51	175	193	419
	% Maximum	26.8	60.1	44.6	43.9
Weekday Afternoon (Attachment D)	Maximum #	190	291	433	914
	Counted	58	134	193	385
	% Maximum	30.5	46.0	44.6	40.4

Timeframe		On-Street	Public Off-Street	Private Off-Street	
Weekend Midday (Attachment E)	Maximum #	190	291	433	914
	Counted	66	72	119	257
	% Maximum	34.7	24.7	27.5	29.0
Weekend Evening (Attachment F)	Maximum #	190	291	433	914
	Counted	38	67	99	204
	% Maximum	20.0	23.0	22.9	22.0
Weekday School Dismissal (Attachment G)	Maximum #	43	147	84	274
	Counted	16	133	47	196
	% Maximum	37.2	90.5	56.0	61.2

The results indicate that between 40-45% of available parking spaces are utilized during the three weekday timeframes – morning, midday, and afternoon. The highest weekday utilization occurs during the midday timeframe with the lowest utilization during the morning timeframe. For the available parking spaces around Second Street School, the utilization percentage is over 60% during afternoon school dismissal.

The results also indicate that between 20-30% of available parking spaces are utilized during the two weekend timeframes – midday and evening. The highest weekend utilization occurs during the midday timeframe.

Conclusions

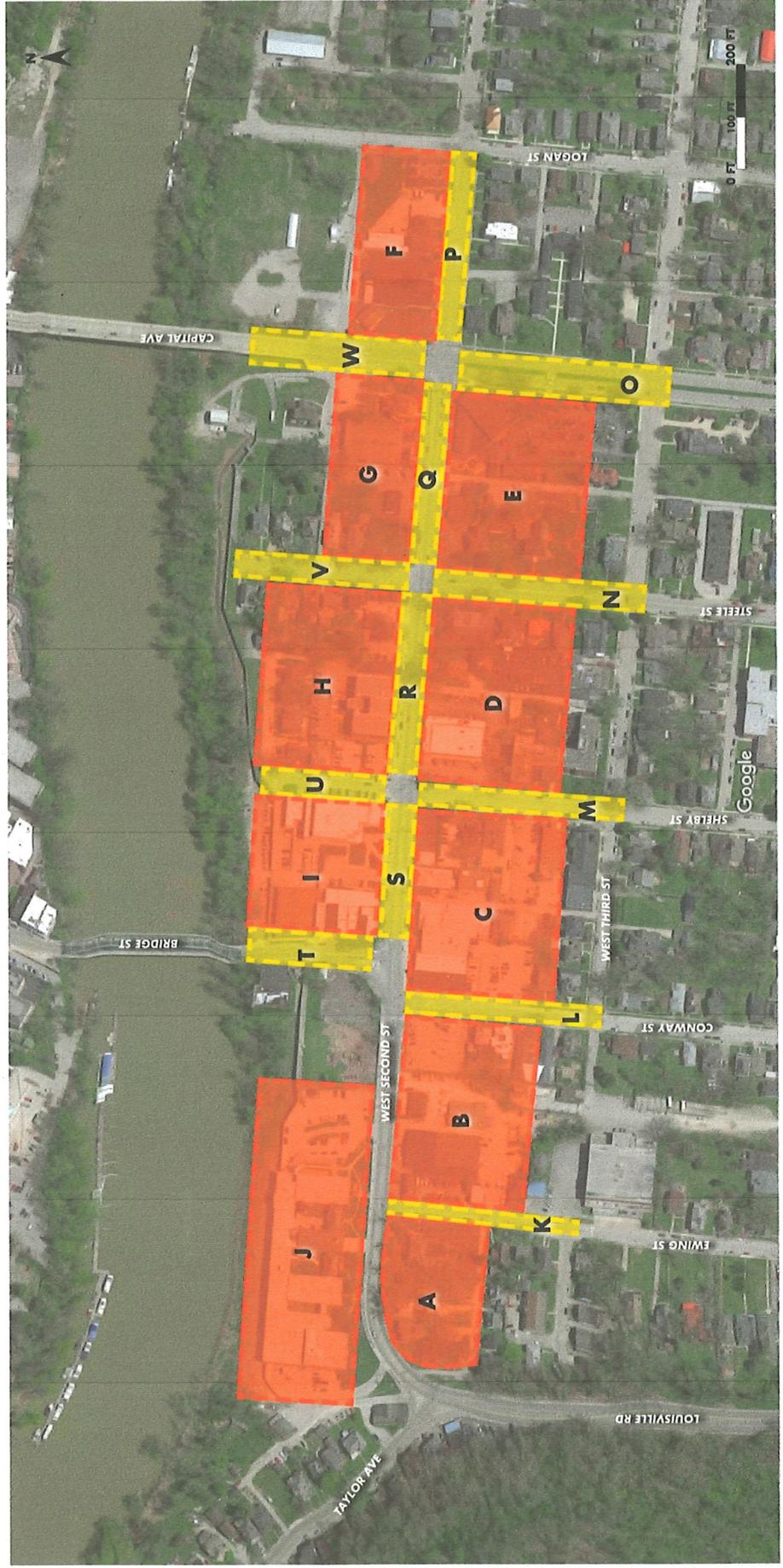
In general, there is currently unused parking capacity along the Second Street corridor. Parking utilization along this corridor is below 45% on the weekdays and below 30% on the weekends. There are a few timeframes that exceed these general percentages and they are: off-street public parking during weekday mornings, middays, and afternoons and on-street public parking during weekend middays.

During the parking study, it was recognized that several, public off-street parking areas around City Hall are controlled by signs that restrict use to city employees or former Frankfort Plant Board employees and customers. Since the Frankfort Plant Board no longer has customer service activities at City Hall, these parking areas should be reviewed to determine the parking supply that can be removed from existing parking restrictions.

ATTACHMENT A
City of Frankfort

Second Street TIGER Grant Project
Corridor Parking Utilization Study
May 2019

Street Segments and Parking Areas



ATTACHMENT B

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	5/1/19	Wednesday	8:00 a.m.	Sunny



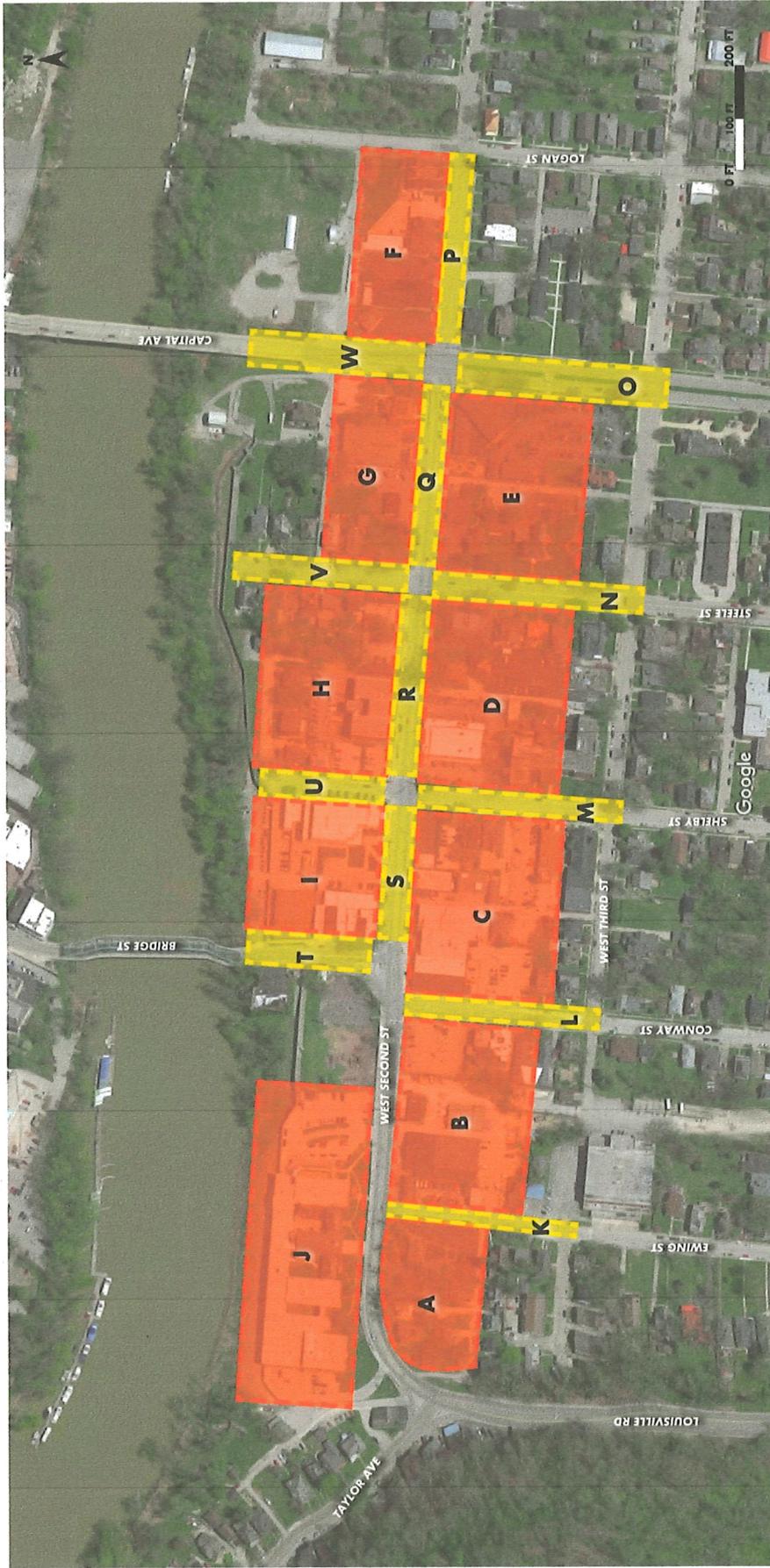
Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	2
B	99(1)	60
C	114(3)	41
D	84(7)	35(6)
E	114(2)	52
F	58(4)	3
G	27(2)	11
H	67	34

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	31
J	77(3)	68(3)
K	12	7
L	11(1)	2
M	20	4
N	31	2
O	28	2

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	8
Q	4	1
R	8	6
S	5	2
T	12(1)	4
U	6	0
V	28	10
W	0	0

ATTACHMENT C

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	4/29/19	Monday	11:30 a.m.	Partly sunny, 80 degrees



Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	4
B	99(1)	61
C	114(3)	47(1)
D	84(7)	37(5)
E	114(2)	46(1)
F	58(4)	9
G	27(2)	16
H	67	39

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	38(2)
J	77(3)	71(3)
K	12	5
L	11(1)	2(1)
M	20	7
N	31	1
O	28	2

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	11
Q	4	1
R	8	6
S	5	1
T	12(1)	2
U	6	1
V	28	12
W	0	0

ATTACHMENT D

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	5/1/19	Wednesday	3:30 p.m.	Partly sunny, 82 degrees



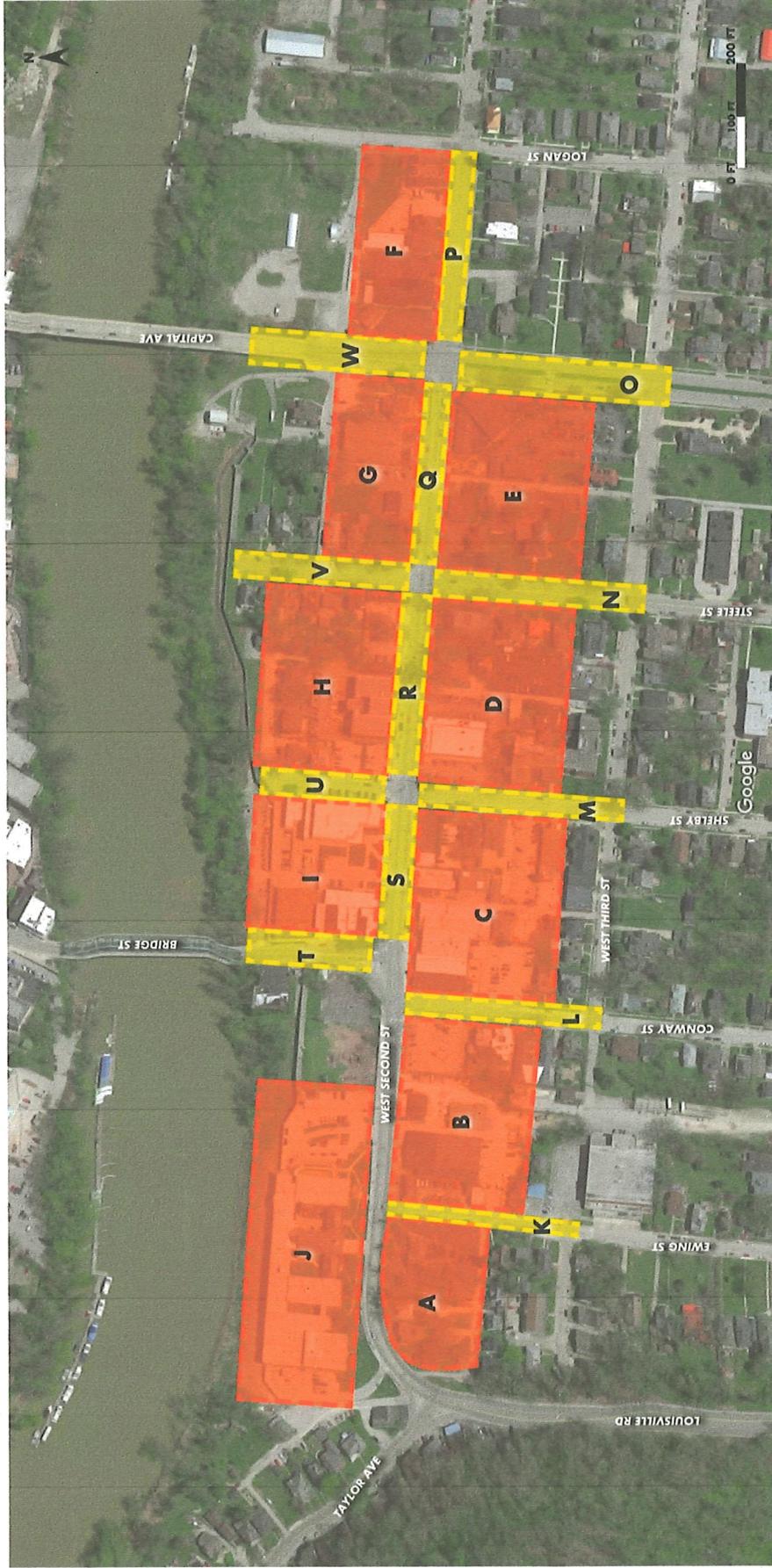
Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	0
B	99(1)	56
C	114(3)	44
D	84(7)	36(5)
E	114(2)	59(1)
F	58(4)	11
G	27(2)	14
H	67	36

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	32
J	77(3)	39(2)
K	12	7
L	11(1)	5(1)
M	20	8
N	31	3
O	28	6

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	14(1)
Q	4	2
R	8	4
S	5	1
T	12(1)	2
U	6	0
V	28	6
W	0	0

ATTACHMENT E

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	5/4/19	Saturday	12:00 p.m.	Cloudy, 70 degrees



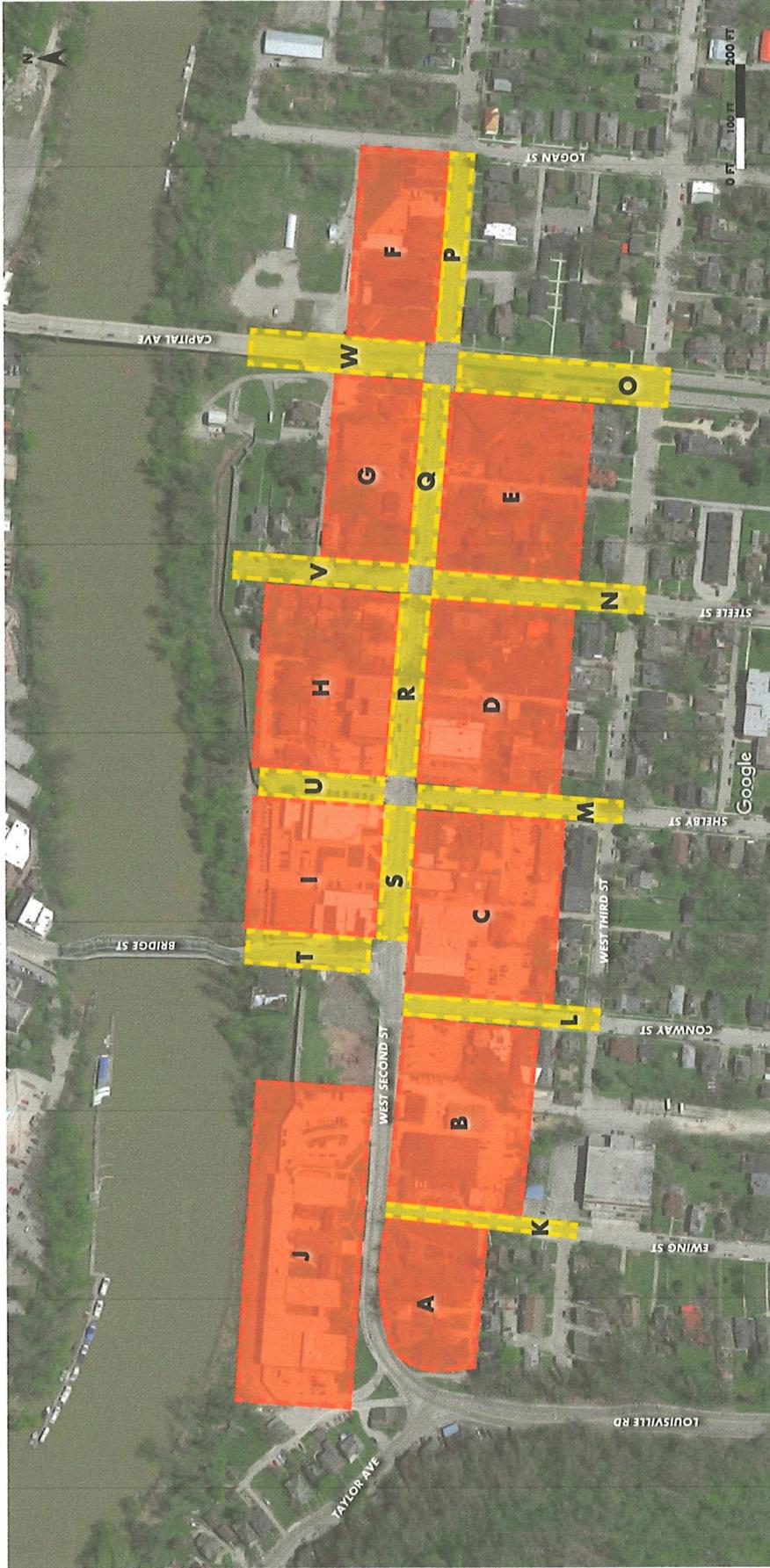
Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	1
B	99(1)	41
C	114(3)	28
D	84(7)	40(5)
E	114(2)	3
F	58(4)	20(2)
G	27(2)	9
H	67	19

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	36(2)
J	77(3)	0
K	12	6
L	11(1)	4
M	20	3
N	31	1
O	28	7

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	9(2)
Q	4	0
R	8	4
S	5	0
T	12(1)	10
U	6	0
V	28	16
W	0	0

ATTACHMENT F

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	5/11/19	Saturday	6:30 p.m.	Cloudy, 68 degrees



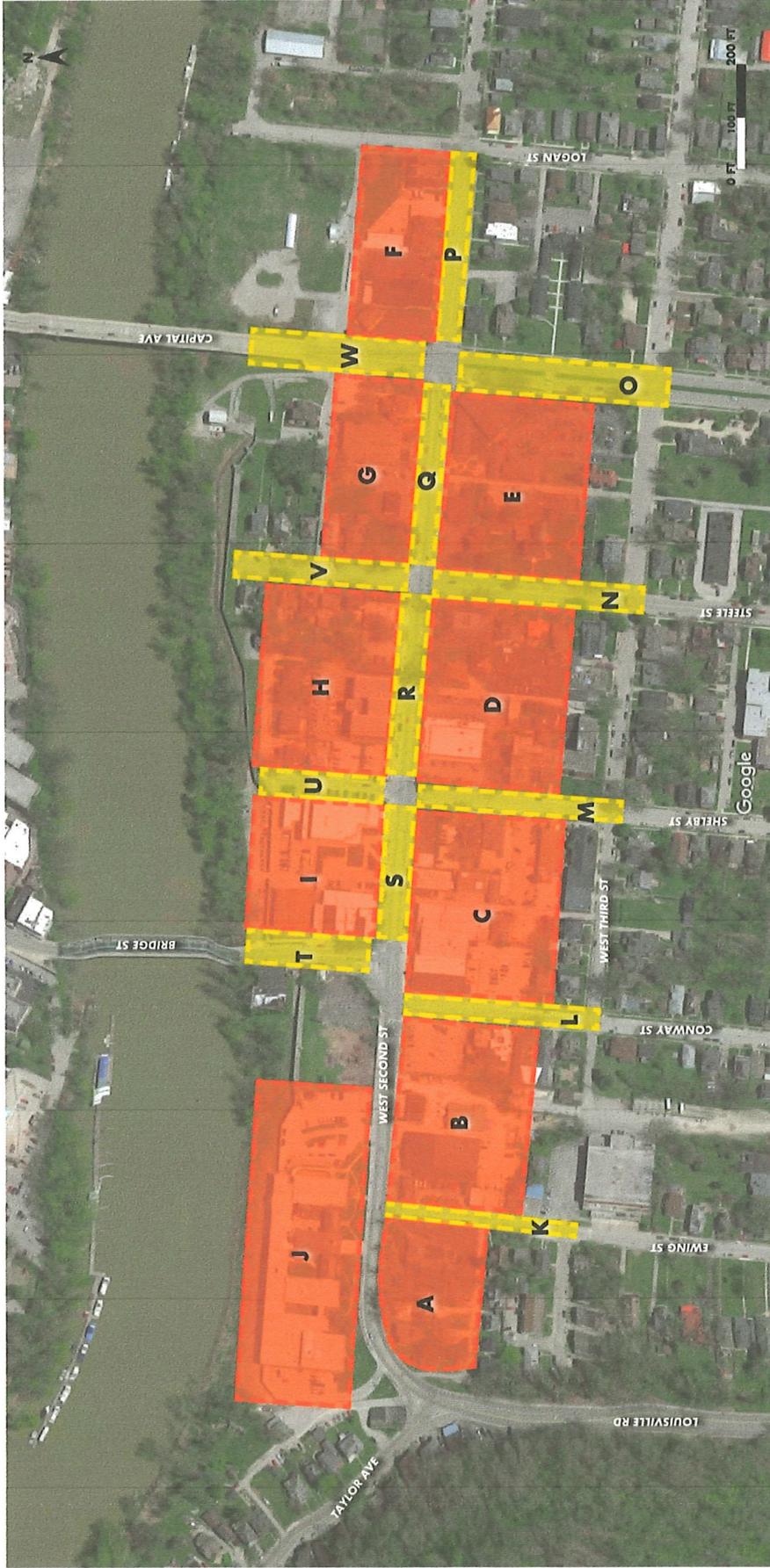
Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	3
B	99(1)	31
C	114(3)	19(1)
D	84(7)	37(4)
E	114(2)	3
F	58(4)	6
G	27(2)	8
H	67	21

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	37(3)
J	77(3)	1
K	12	7
L	11(1)	3
M	20	0
N	31	2
O	28	3

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	4(2)
Q	4	1
R	8	2
S	5	1
T	12(1)	5
U	6	0
V	28	10
W	0	0

ATTACHMENT G

Observer	Date	Day of Week	Time Start	Weather Summary
Chuck K.	4/30/19	Tuesday	2:00 p.m.	Partly sunny, 82 degrees



Area	# Spaces (ADA)	Vehicles Parked (ADA)
A	19	2
B	99(1)	73(1)
C	114(3)	26(1)
D	84(7)	
E	114(2)	
F	58(4)	
G	27(2)	
H	67	

Area	# Spaces (ADA)	Vehicles Parked (ADA)
I	65(4)	
J	77(3)	80(2)
K	12	9
L	11(1)	2
M	20	
N	31	
O	28	

Area	# Spaces (ADA)	Vehicles Parked (ADA)
P	25(3)	
Q	4	
R	8	
S	5	1
T	12(1)	3
U	6	
V	28	
W	0	