

## **Exhibit B**

### **Liberty 3 Map for State Senatorial Districts and Selected Information from the KLRD Map Packet**

The full map packet for the Liberty 3 map is available on the Kansas  
Legislative Research Department's website at  
[http://www.kslegresearch.org/KLRD-web/Publications/Redistricting/2022-  
Plans/Senate/Liberty\\_3.pdf](http://www.kslegresearch.org/KLRD-web/Publications/Redistricting/2022-Plans/Senate/Liberty_3.pdf)

# Liberty\_3 for KLRD TR

**Plan: Liberty\_3 for KLRD TR**

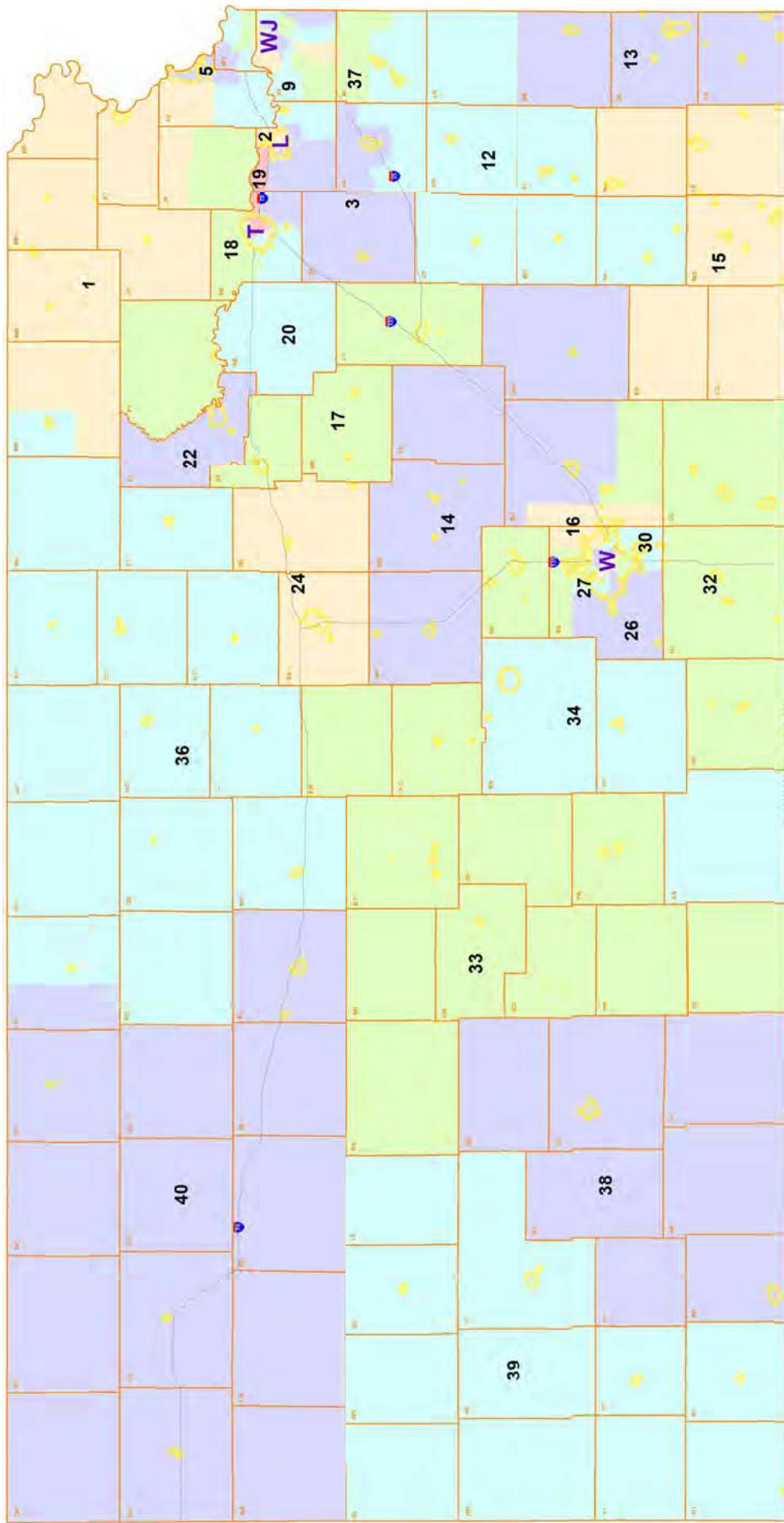
- Cities class 1 or 2
- County
- Interstate Highways
- Districts

Miles

0 25 50 75

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NOTE: In urban areas, VTD boundaries and highways have been hidden so that other information can be displayed. Detailed maps of urban areas follow this statewide map.



W= Wichita districts 16, 25-31

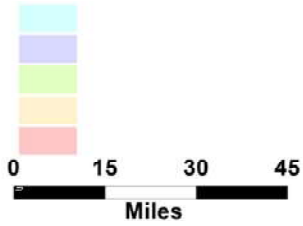
T=Topeka districts 18-20

L=Lawrence districts 2, 3, 19

WJ=Wyandotte and Johnson County districts 4-11, 21, 23, 35, 37

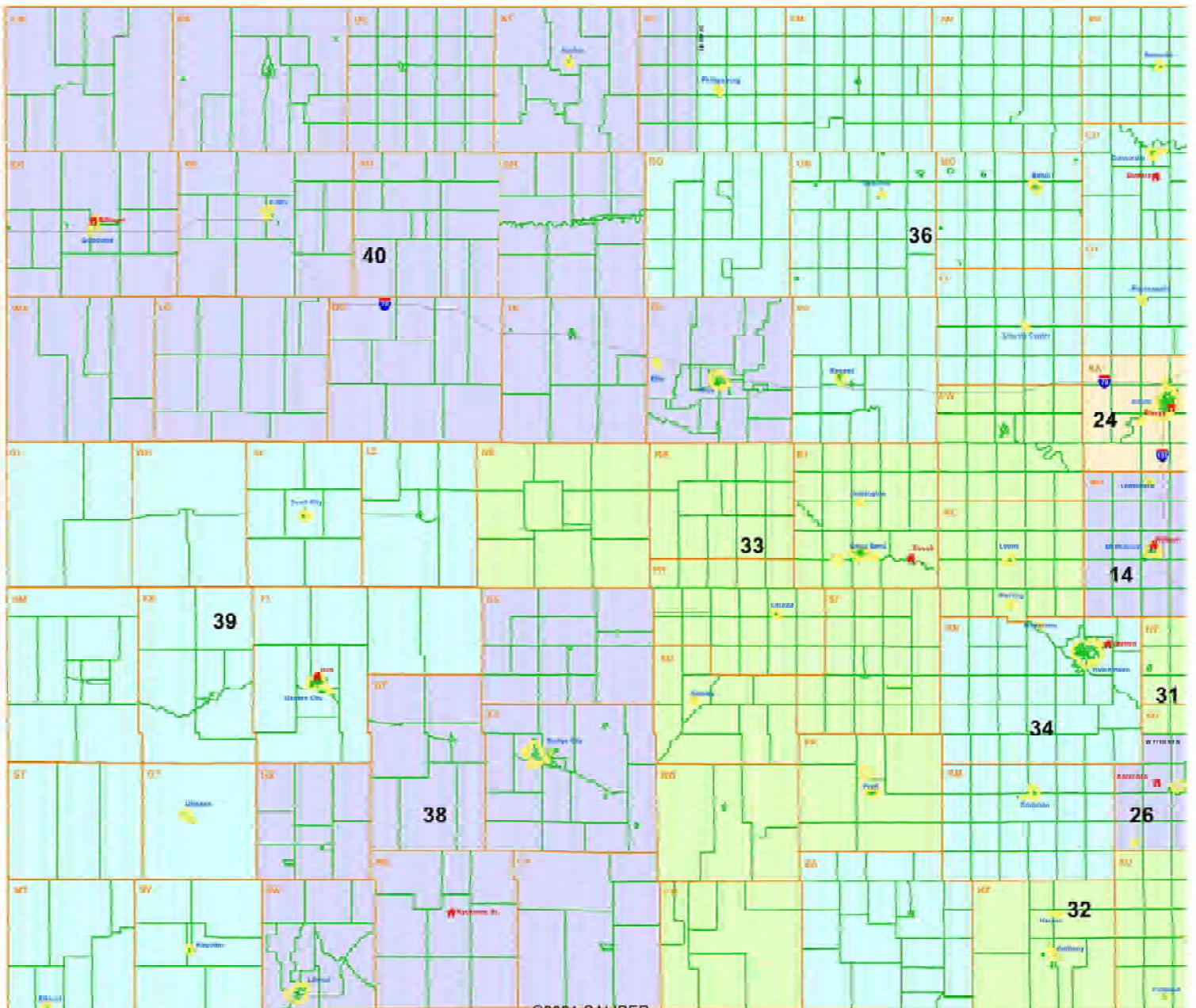
Plan: Liberty\_3 for KLRD TR

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- Senate Incumbent Districts



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Liberty\_3 for KLRD TR  
Western Kansas

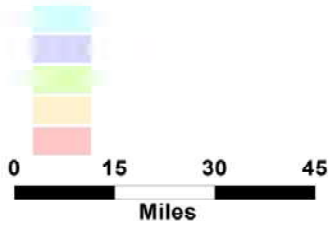




**Plan: Liberty\_3 for KLRD TR**

Map Features

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- Senate Incumbent Districts



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NOTE: In urban areas, VTD boundaries, incumbents, and highways have been hidden so that other information can be displayed. Detailed maps of urban areas follow this map.

**Liberty\_3 for KLRD TR**

Eastern Kansas

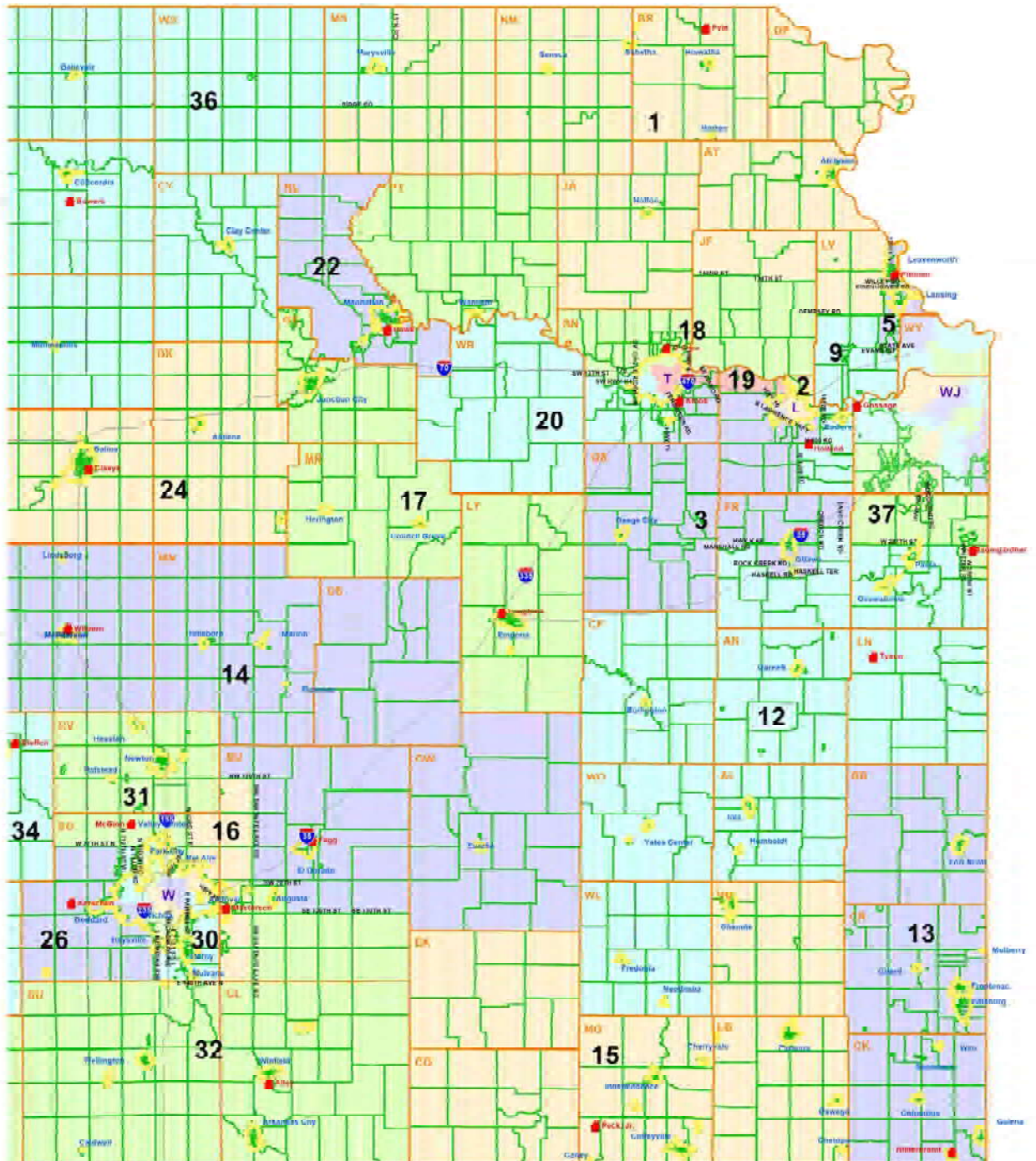
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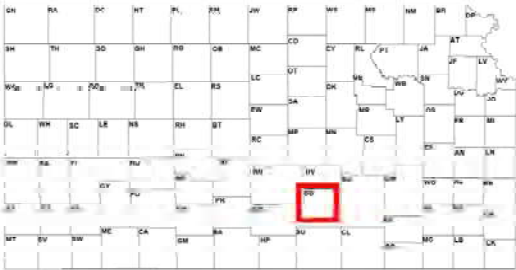
T=Topeka districts 18-20

L=Lawrence districts 2, 3, 19

WJ=Wyandotte and Johnson County districts 4-11, 21, 23, 35, 37

W = Wichita Districts 16, 25-31



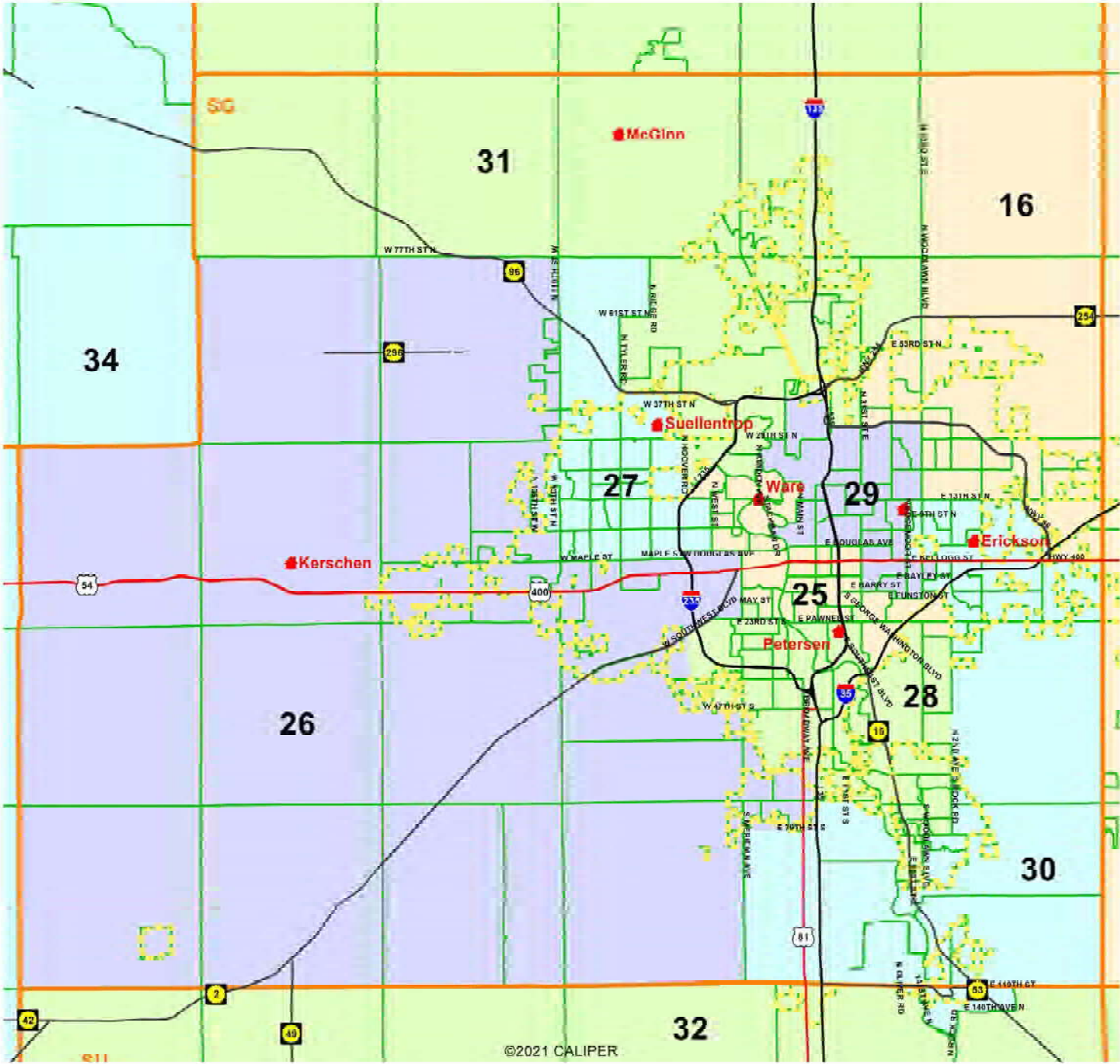


**Plan: Liberty\_3 for KLRD TR**

- Voting District
- Cities class 1 or 2
- County
- I Interstate Highways
- U U.S. Highways
- State Highways
- Senate Homeseat

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Miles

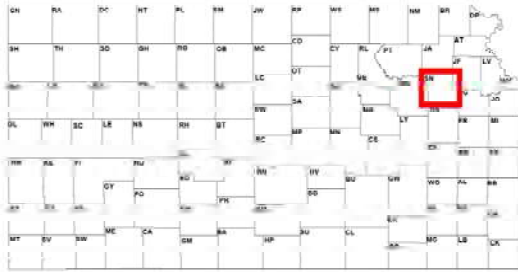
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# Liberty\_3 for KLRD TR

Topeka

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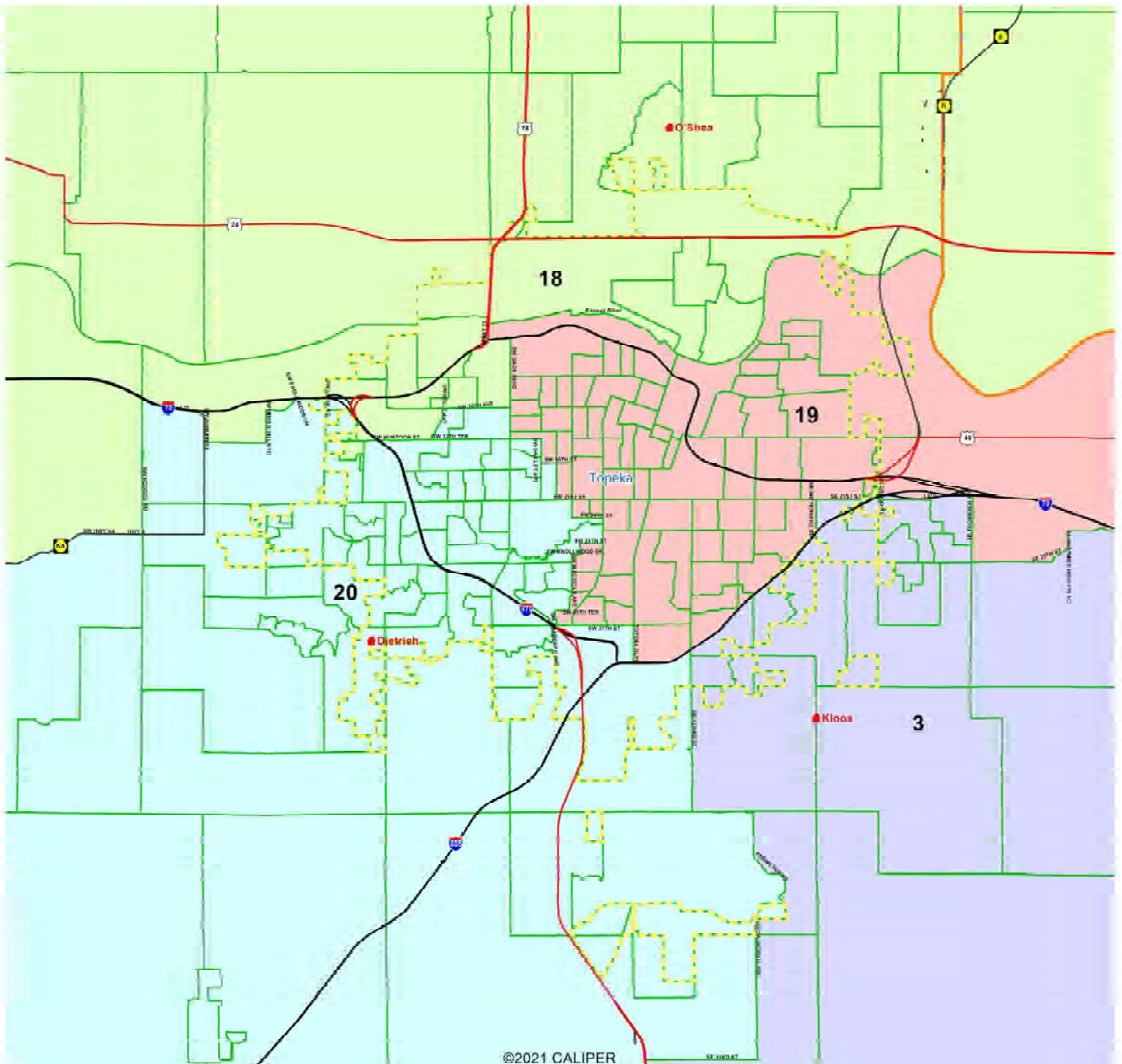
## Plan: Liberty\_3 for KLRD TR

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- U.S. Highways
- State Highways
- Senate Homeseat

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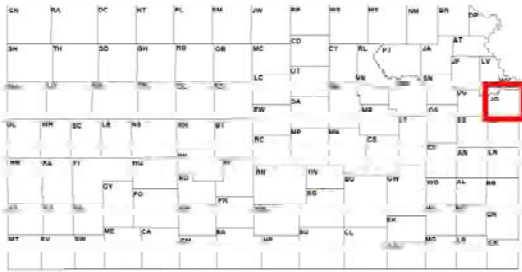




# Liberty\_3 for KLRD TR

Johnson County

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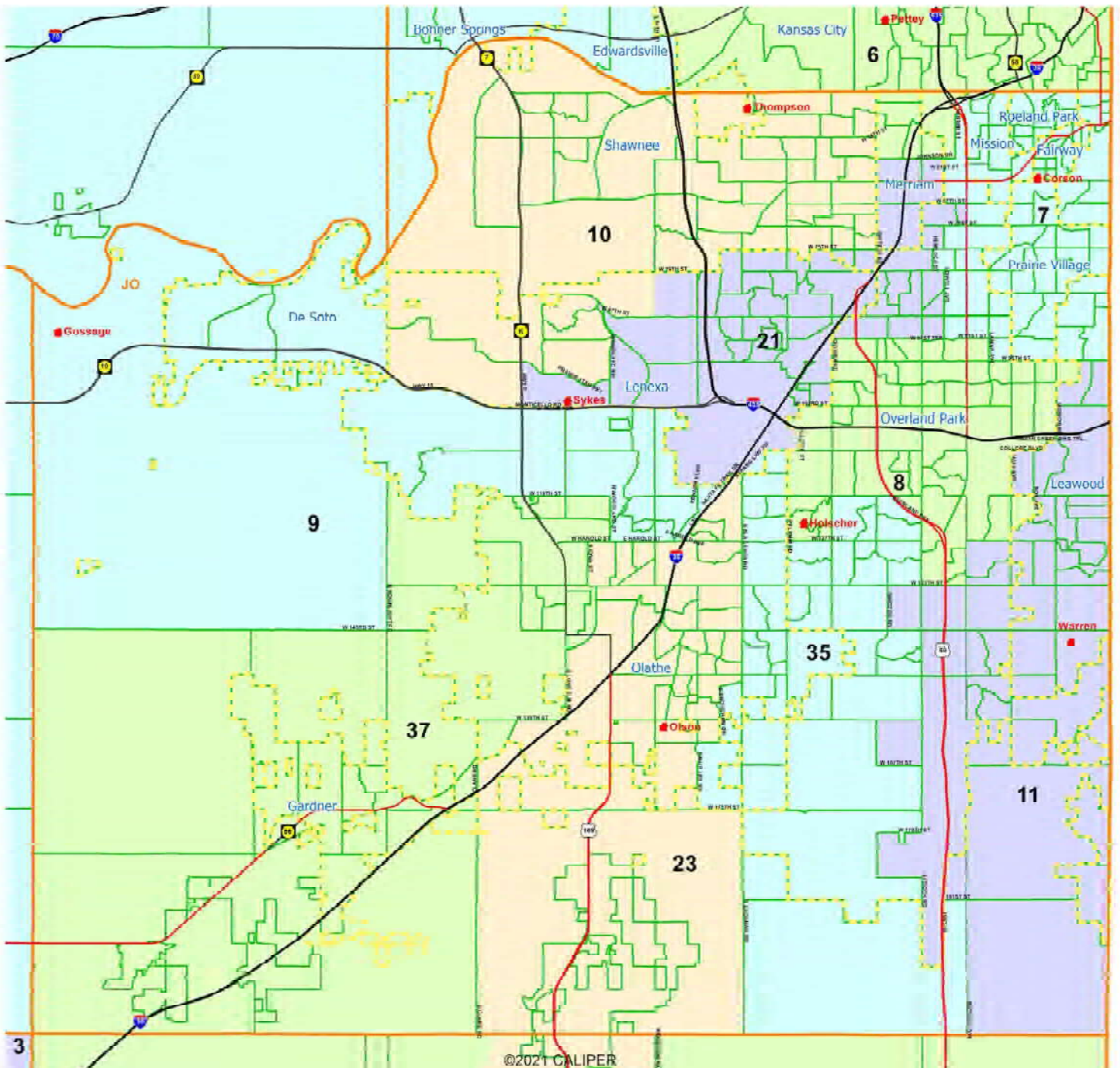
## Plan: Liberty\_3 for KLRD TR

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- U.S. Highways
- State Highways
- Senate Homeseat

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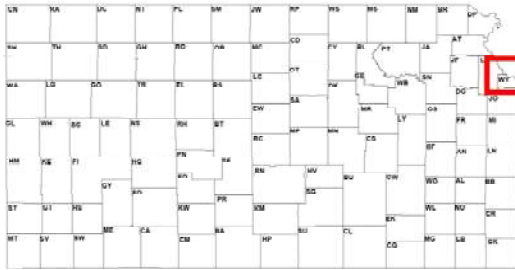
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# Liberty\_3 for KLRD TR

Leavenworth and Wyandotte Counties



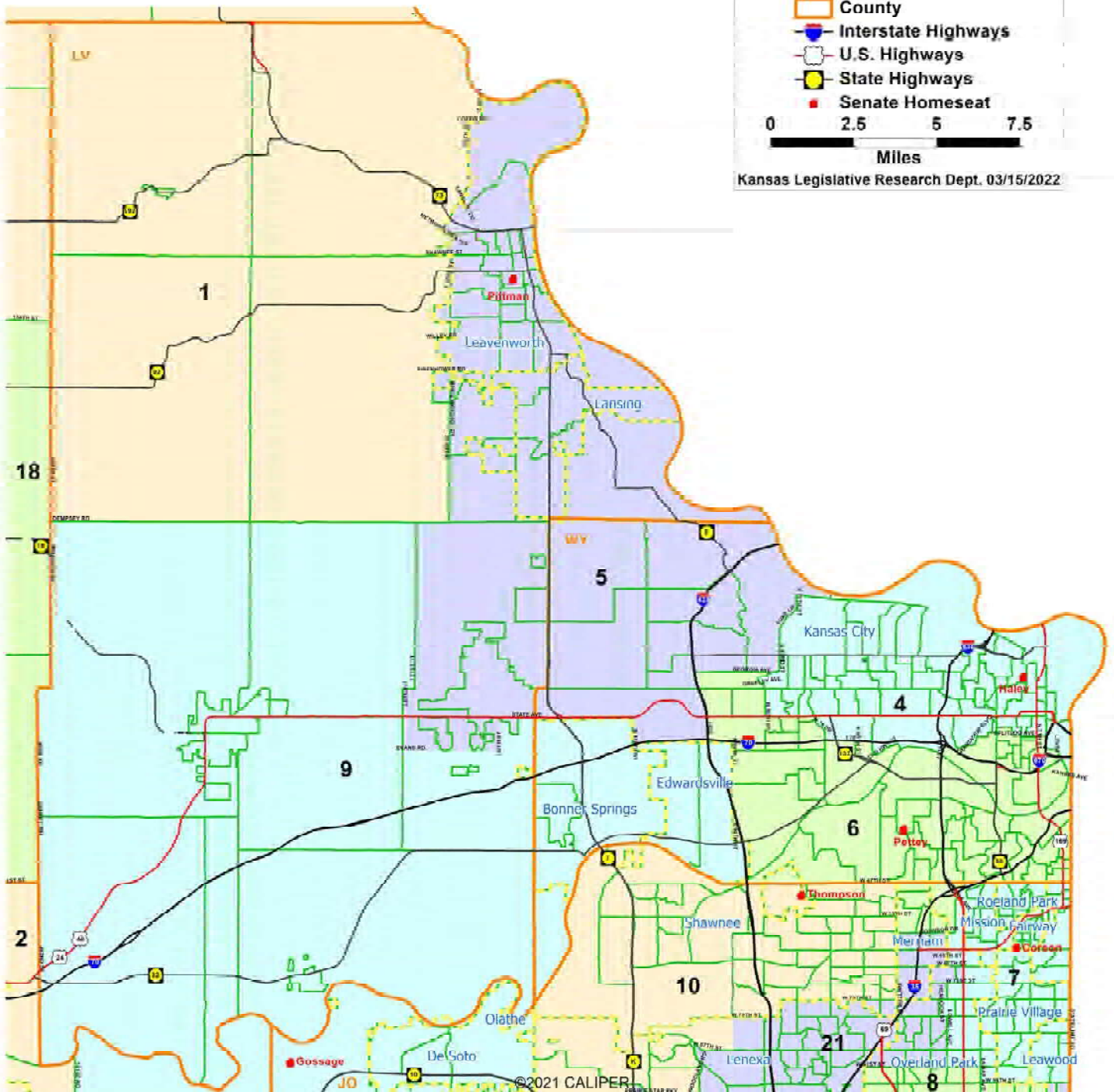
## Plan: Liberty\_3 for KLRD TR

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- U.S. Highways
- State Highways
- Senate Homeseat

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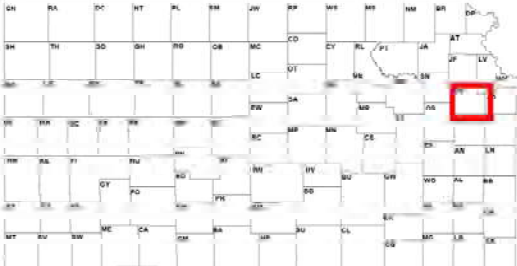
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Liberty\_3 for KLRD TR

Lawrence

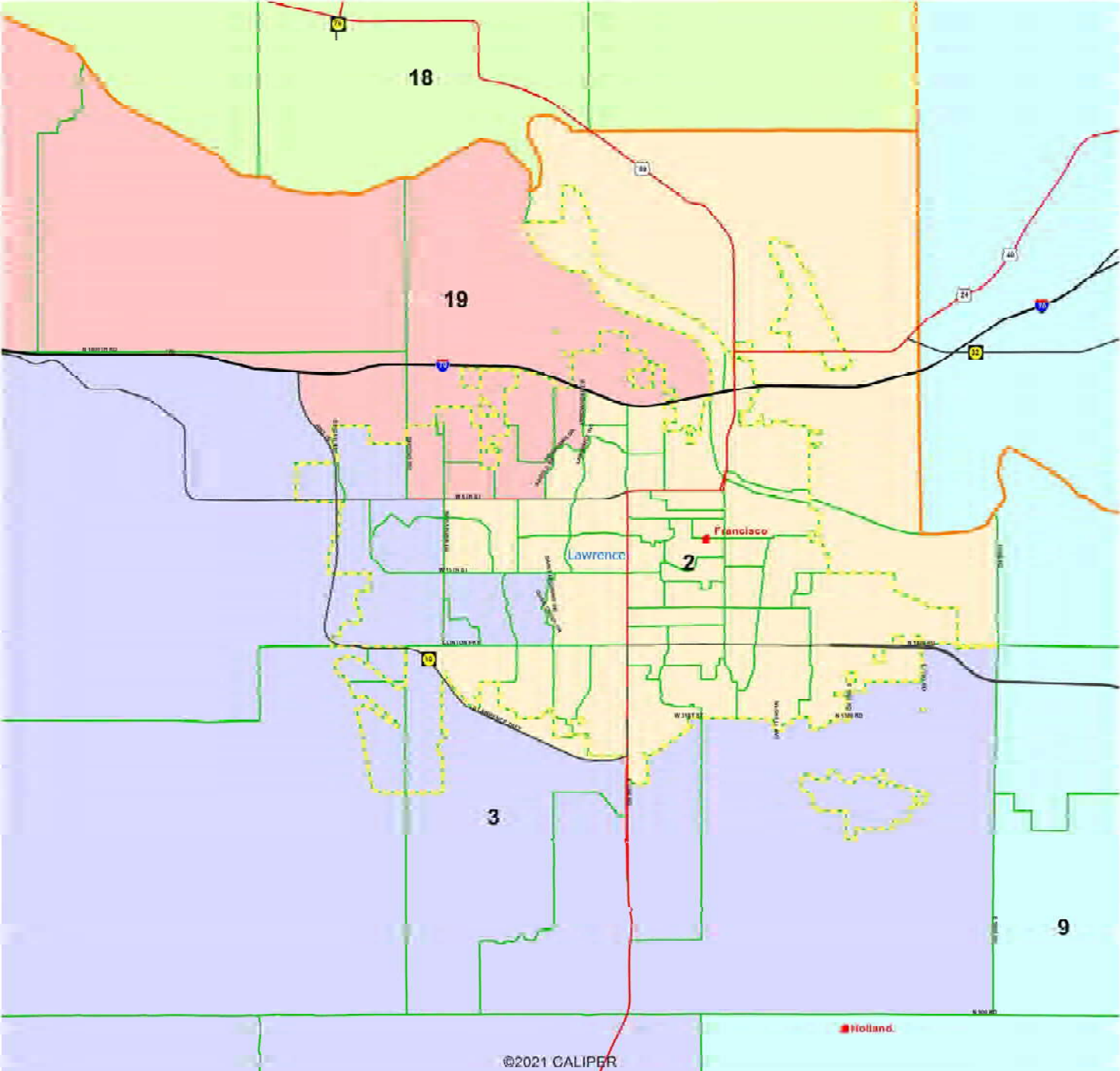


**Plan: Liberty\_3 for KLRD TR**

- Voting District
- Cities class 1 or 2
- County
- I Interstate Highways
- U.S. U.S. Highways
- S State Highways
- Senate Homeseat

0 1 2 3  
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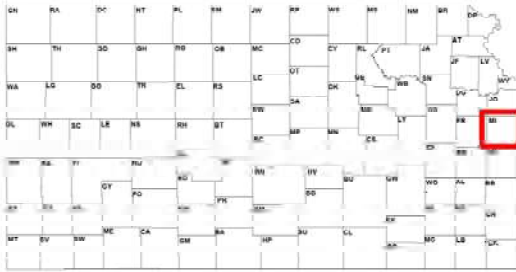
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# Liberty\_3 for KLRD TR

Miami County

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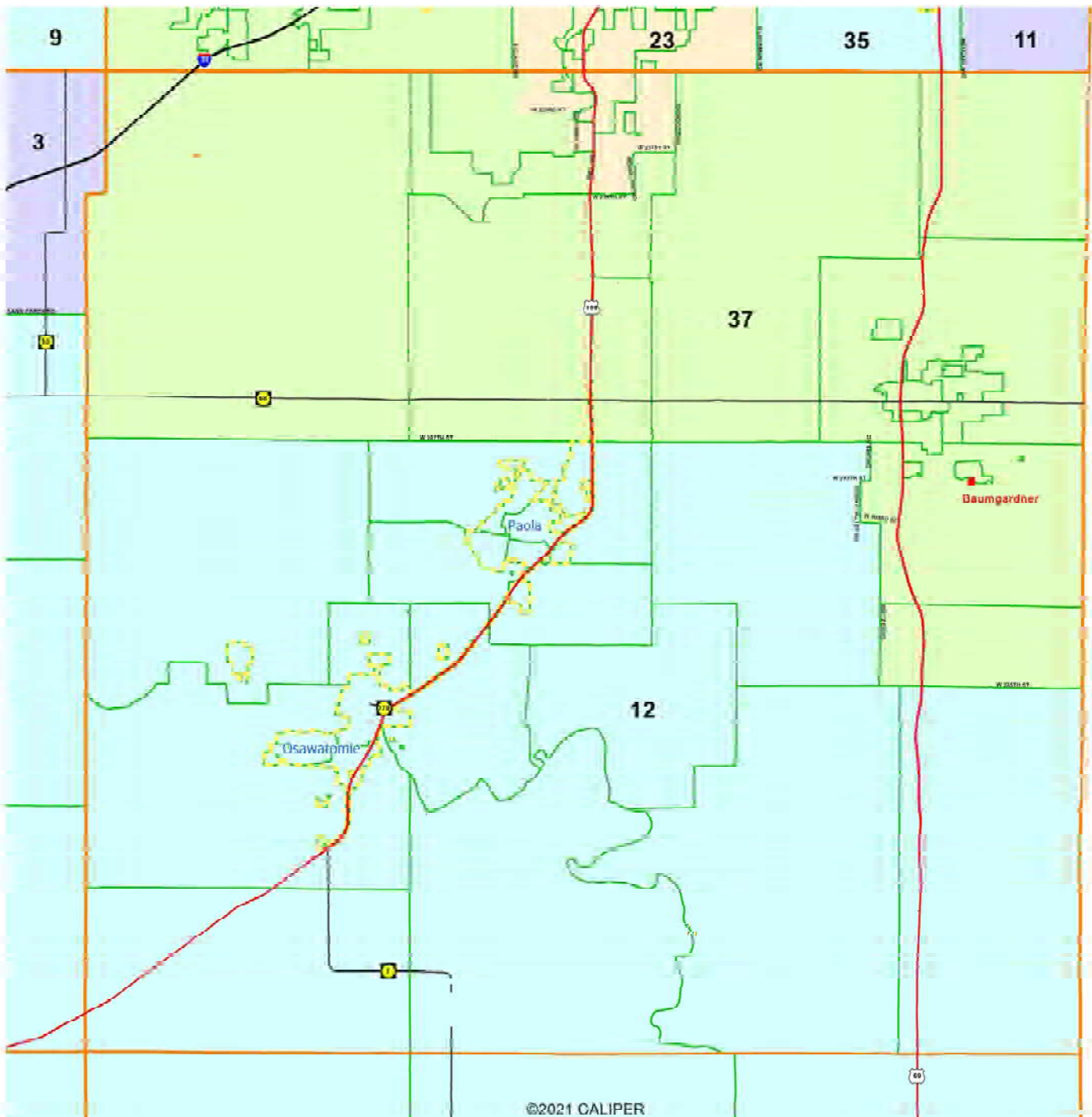
## Plan: Liberty\_3 for KLRD TR

- Voting District
- Cities class 1 or 2
- County
- Interstate Highways
- U.S. Highways
- State Highways
- Senate Homeseat

0 2 4 6

Miles

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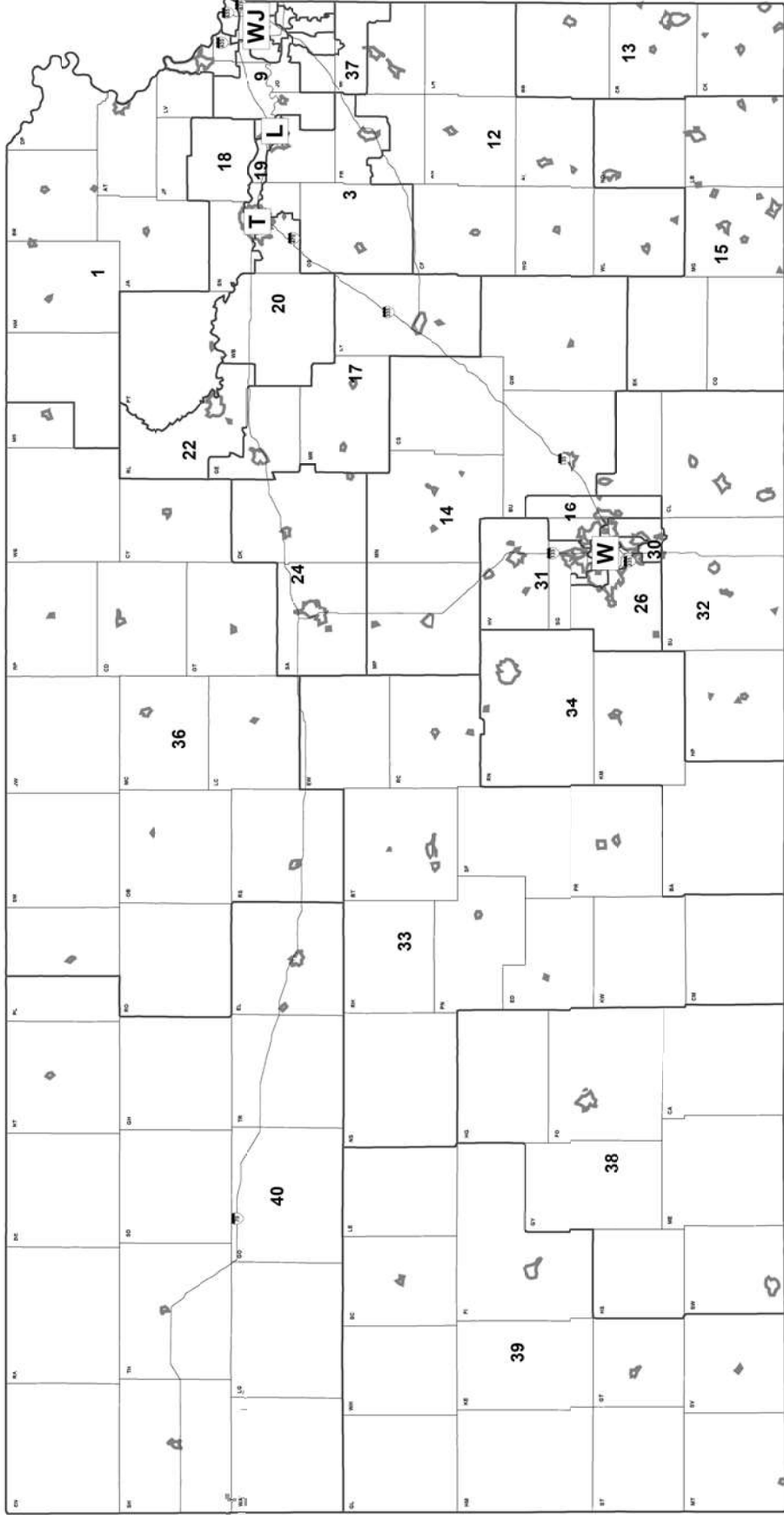
**Plan: Liberty\_3 for KLRD TR**

-  County
-  Districts
-  Cities class 1 or 2
-  Interstate Highways



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**NOTE:** In some urban areas, district boundaries cannot be shown at this scale. For these urban districts, see the key below the map.



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W= Wichita districts 16, 25-31

T=Topeka districts 18-20

L=Lawrence districts 2, 3, 19

WJ=Wyandotte and Johnson County districts 4-11, 21, 23, 35, 37



User: Mike Pirner

Plan Name: Liberty\_3 for KLRD TR

Plan Type: Senate

## Population Summary

Monday, March 14, 2022

4:54 PM

District	Population	Deviation	% Devn.
1	71,739	-1,708	-2.33%
2	73,585	138	0.19%
3	70,949	-2,498	-3.40%
4	73,501	54	0.07%
5	76,345	2,898	3.95%
6	72,548	-899	-1.22%
7	75,349	1,902	2.59%
8	73,777	330	0.45%
9	74,290	843	1.15%
10	75,066	1,619	2.20%
11	73,908	461	0.63%
12	72,409	-1,038	-1.41%
13	72,694	-753	-1.03%
14	75,369	1,922	2.62%
15	73,436	-11	-0.01%
16	74,139	692	0.94%
17	74,304	857	1.17%
18	73,947	500	0.68%
19	73,960	513	0.70%
20	73,301	-146	-0.20%
21	74,509	1,062	1.45%
22	71,959	-1,488	-2.03%
23	72,806	-641	-0.87%
24	72,705	-742	-1.01%
25	73,707	260	0.35%
26	73,190	-257	-0.35%
27	72,864	-583	-0.79%
28	72,346	-1,101	-1.50%
29	75,016	1,569	2.14%
30	72,079	-1,368	-1.86%
31	74,249	802	1.09%
32	75,319	1,872	2.55%
33	73,477	30	0.04%
34	73,596	149	0.20%
35	73,789	342	0.47%
36	71,799	-1,648	-2.24%
37	71,781	-1,666	-2.27%
38	73,453	6	0.01%

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District	Population	Deviation	% Devn.
39	72,519	-928	-1.26%
40	72,101	-1,346	-1.83%

---

Total Population: 2,937,880

Ideal District Population: 73,447

### Summary Statistics:

Population Range: 70,949 to 76,345  
Ratio Range: 0.08  
Absolute Range: -2,498 to 2,898  
Absolute Overall Range: 5,396  
Relative Range: -3.00% to 3.95%  
Relative Overall Range: 7.35%  
Absolute Mean Deviation: 941.05  
Relative Mean Deviation: 1.28%  
Standard Deviation: 1,178.11

User: Mike Pirner  
Plan Name: Liberty\_3 for KLRD TR  
Plan Type: Senate

# Measures of Compactness Report

Monday, March 14, 2022

4:55 PM

<b>Reock</b>	
Sum	N/A
Min	0.16
Max	0.64
Mean	0.42
Std. Dev.	0.10

<b>District</b>	<b>Reock</b>
1	0.43
2	0.53
3	0.56
4	0.46
5	0.36
6	0.38
7	0.58
8	0.49
9	0.45
10	0.46
11	0.28
12	0.44



	Reock
Sum	N/A
Min	0.16
Max	0.64
Mean	0.42
Std. Dev.	0.10

District	Reock
13	0.40
14	0.36
15	0.46
16	0.29
17	0.31
18	0.25
19	0.16
20	0.55
21	0.31
22	0.36
23	0.31
24	0.50
25	0.27
26	0.64
27	0.38

<b>Reock</b>	
Sum	N/A
Min	0.16
Max	0.64
Mean	0.42
Std. Dev.	0.10

<b>District</b>	<b>Reock</b>
28	0.44
29	0.45
30	0.43
31	0.62
32	0.37
33	0.43
34	0.36
35	0.33
36	0.45
37	0.39
38	0.53
39	0.48
40	0.48

## Measures of Compactness Summary

### **Reock**

The measure is always between 0 and 1, with 1 being the most compact.



User: Mike Pirner

Plan Name: Liberty\_3 for KLRD TR

Plan Type: Senate

## Districts & Their Incumbents

Monday, March 14, 2022




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District	Name	Party	Previous District
1	Dennis Pyle	Republican	1
2	Marci Francisco	Democrat	2
3	Rick Kloos	Republican	19
4	David Haley	Democrat	4
5	Jeff Pittman	Democrat	5
6	Pat Pettey	Democrat	6
7	Ethan Corson	Democrat	7
8	Cindy Holscher	Democrat	8
9	Tom Holland	Democrat	3
9	Beverly Gossage	Republican	9
10	Mike Thompson	Republican	10
11	Kellie Warren	Republican	11
12	Caryn Tyson	Republican	12
13	Richard Hilderbrand	Republican	13
14	Michael Fagg	Republican	14
14	Rick Wilborn	Republican	35
15	Virgil Peck	Republican	15
16	Ty Masterson	Republican	16
17	Jeff Longbine	Republican	17
18	Kristen O'Shea	Republican	18
19			
20	Brenda Dietrich	Republican	20
21	Dinah Sykes	Democrat	21
22	Tom Hawk	Democrat	22
23	Robert Olson	Republican	23
24	J.R. Claeys	Republican	24
25	Mary Ware	Democrat	25
26	Dan Kerschen	Republican	26
27	Gene Suellentrop	Republican	27
28	Mike Petersen	Republican	28
29	Oletha Faust-Goudeau	Democrat	29
30	Renee Erickson	Republican	30
31	Carolyn McGinn	Republican	31
32	Larry Alley	Republican	32
33	Alicia Straub	Republican	33
34	Mark Steffen	Republican	34
35			
36	Elaine Bowers	Republican	36
37	Molly Baumgardner	Republican	37

## Districts & Their Incumbents

Liberty\_3 for KLRD TR

District	Name	Party	Previous District
38	Ronald Ryckman	Republican	38
39	John Doll	Republican	39
40	Rick Billinger	Republican	40

Number of Incumbents in District with more than one Incumbent:	4	
Number of Districts with No Incumbent:	2	
Number of Districts with Incumbents of more than one party:	1	
Number of Districts with Paired Democrats:	0	
Number of Districts with Paired Republicans:	1	

User: Mike Pirner

Plan Name: Liberty\_3 for KLRD TR

Plan Type: Senate

## Political Subdivision Splits Between Districts

Monday, March 14, 2022

4:54 PM

Number of subdivisions not split:

County	92
Voting District	4,216

Number of subdivisions split into more than one district:

County	13
Voting District	24

Number of splits involving no population:

County	0
Voting District	14

### Split Counts

#### *County*

- Cases where an area is split among 2 Districts: 5
- Cases where an area is split among 3 Districts: 3
- Cases where an area is split among 4 Districts: 3
- Cases where an area is split among 8 Districts: 1
- Cases where an area is split among 10 Districts: 1

#### *Voting District*

- Cases where an area is split among 2 Districts: 24

County	Voting District	District	Population
<i>Split Counties:</i>			
Butler KS		14	24,735
Butler KS		16	28,558
Butler KS		32	14,087
Douglas KS		2	73,585
Douglas KS		3	18,052
Douglas KS		9	15,309
Douglas KS		19	11,839
Franklin KS		3	20,749
Franklin KS		12	5,247
Jefferson KS		1	3,751
Jefferson KS		18	14,617
Johnson KS		6	6,730
Johnson KS		7	75,349
Johnson KS		8	73,777
Johnson KS		9	29,229
Johnson KS		10	75,066
Johnson KS		11	73,908
Johnson KS		21	74,509
Johnson KS		23	69,392
Johnson KS		35	73,789
Johnson KS		37	58,114

# Political Subdivision Splits Between Districts

Liberty\_3 for KLRD TR

County	Voting District	District	Population
Leavenworth KS		1	5,710
Leavenworth KS		5	59,004
Leavenworth KS		9	17,167
Marshall KS		1	5,407
Marshall KS		36	4,631
Miami KS		12	17,110
Miami KS		23	3,414
Miami KS		37	13,667
Phillips KS		36	3,733
Phillips KS		40	1,248
Sedgwick KS		16	45,581
Sedgwick KS		25	73,707
Sedgwick KS		26	73,190
Sedgwick KS		27	72,864
Sedgwick KS		28	72,346
Sedgwick KS		29	75,016
Sedgwick KS		30	70,895
Sedgwick KS		31	40,225
Shawnee KS		3	16,382
Shawnee KS		18	33,982
Shawnee KS		19	62,121
Shawnee KS		20	66,424
Sumner KS		30	1,184
Sumner KS		32	21,198
Wyandotte KS		4	73,501
Wyandotte KS		5	17,341
Wyandotte KS		6	65,818
Wyandotte KS		9	12,585
<i>Split VTDs:</i>			
Johnson KS	Lenexa 1-06	10	600
Johnson KS	Lenexa 1-06	21	1,623
Johnson KS	Lenexa 4-06	21	1,498
Johnson KS	Lenexa 4-06	35	314
Leavenworth KS	Fairmount Township Voting District	5	542
Leavenworth KS	Fairmount Township Voting District	9	1,871
Miami KS	North Marysville Township C3	23	374
Miami KS	North Marysville Township C3	37	389
Miami KS	Paola Ward 4	12	1,773
Miami KS	Paola Ward 4	37	0
Sedgwick KS	223 Precinct	16	899
Sedgwick KS	223 Precinct	30	2,354
Sedgwick KS	240 Precinct	16	0
Sedgwick KS	240 Precinct	30	527

## Political Subdivision Splits Between Districts

Liberty\_3 for KLRD TR

County	Voting District	District	Population
Sedgwick KS	305 Precinct	25	2,654
Sedgwick KS	305 Precinct	28	779
Sedgwick KS	416 Precinct	26	1,591
Sedgwick KS	416 Precinct	28	343
Sedgwick KS	512 Precinct	27	6,449
Sedgwick KS	512 Precinct	31	0
Sedgwick KS	603 Precinct	27	844
Sedgwick KS	603 Precinct	31	658
Sedgwick KS	Derby 14 Precinct	28	1,718
Sedgwick KS	Derby 14 Precinct	30	0
Sedgwick KS	Gypsum 1 Precinct	28	138
Sedgwick KS	Gypsum 1 Precinct	30	3,126
Sedgwick KS	Kechi 8 Precinct	16	10
Sedgwick KS	Kechi 8 Precinct	31	4
Sedgwick KS	Minneha 1 Precinct	16	1,789
Sedgwick KS	Minneha 1 Precinct	30	0
Sedgwick KS	Minneha 11 Precinct	16	2
Sedgwick KS	Minneha 11 Precinct	30	0
Sedgwick KS	Minneha 15 Precinct	16	0
Sedgwick KS	Minneha 15 Precinct	30	0
Sedgwick KS	Park 2 Precinct	27	0
Sedgwick KS	Park 2 Precinct	31	430
Sedgwick KS	Riverside 1 Precinct	26	77
Sedgwick KS	Riverside 1 Precinct	28	74
Sedgwick KS	Salem 1 Precinct	26	129
Sedgwick KS	Salem 1 Precinct	30	2,199
Sedgwick KS	Salem 2 Precinct	26	0
Sedgwick KS	Salem 2 Precinct	30	1,595
Sedgwick KS	Waco 2 Precinct	26	417
Sedgwick KS	Waco 2 Precinct	28	66
Sedgwick KS	Wichita Precinct 612 S27	27	0
Sedgwick KS	Wichita Precinct 612 S27	31	0
Shawnee KS	Verbena Enclave	18	0
Shawnee KS	Verbena Enclave	20	0