



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-019-Betzen (Submitter: Bill Betzen)

Date Submitted: 3-11-22

Current Status: Meets the City of Dallas Redistricting Criteria

REVIEW CRITERIA FOR PLAN ACCEPTANCE

1. Maximum Deviation Less than 10%: Population Difference between most populated and least populated district divided by ideal population is less than 10%

Plan meets Criteria

Plan does not meet Criteria

Plan Max Deviation – 8.97%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

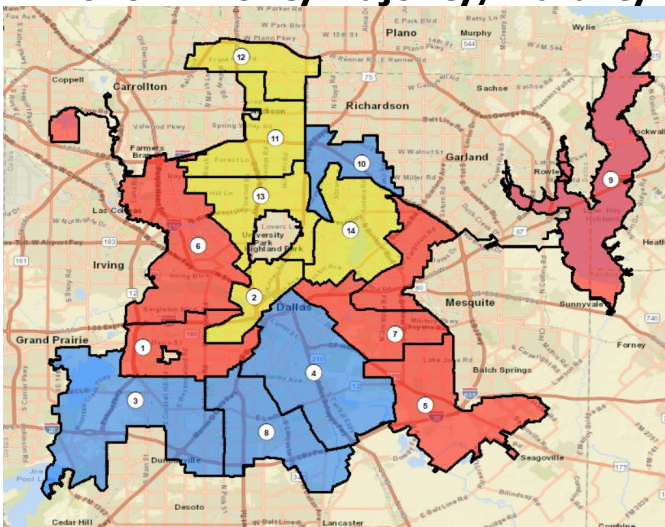
3. Unassigned Units – None

Plan meets Criteria

Plan does not meet Criteria

4. Other Map Characteristics for further evaluation:

1. No. of Minority Majority/Plurality Districts: 9



NH-Black – 4(3, 4, 8, 10)

Hispanic – 5

(1, 5, 6, 7, 9)

(NH White – Yellow, Hispanic – Red; NH Black – Blue)

Total Population by Race and Ethnicity

	Total Population	Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1	90,379	-2,791.00	-3.00%	71,735	79.37%	9,746	10.78%	6,646	7.35%	678	0.75%	1,574	1.74%
2	96,386	3,216.00	3.45%	18,981	19.69%	56,113	58.22%	11,985	12.43%	5,233	5.43%	4,074	4.23%
3	91,014	-2,156.00	-2.31%	36,394	39.99%	7,824	8.60%	42,693	46.91%	1,722	1.89%	2,381	2.62%
4	90,016	-3,154.00	-3.39%	29,145	32.38%	9,162	10.18%	48,209	53.56%	1,120	1.24%	2,380	2.64%
5	90,011	-3,159.00	-3.39%	67,560	75.06%	7,347	8.16%	13,413	14.90%	264	0.29%	1,427	1.59%
6	90,210	-2,960.00	-3.18%	66,294	73.49%	7,860	8.71%	11,256	12.48%	3,136	3.48%	1,664	1.84%
7	90,161	-3,009.00	-3.23%	59,788	66.31%	8,091	8.97%	19,964	22.14%	655	0.73%	1,663	1.84%
8	89,993	-3,177.00	-3.41%	41,684	46.32%	3,284	3.65%	42,687	47.43%	447	0.50%	1,891	2.10%
9	90,135	-3,035.00	-3.26%	49,528	54.95%	16,194	17.97%	19,546	21.69%	2,538	2.82%	2,329	2.58%
10	93,046	-124.00	-0.13%	31,723	34.09%	16,162	17.37%	33,990	36.53%	7,939	8.53%	3,232	3.47%
11	98,321	5,151.00	5.53%	27,142	27.61%	48,757	49.59%	12,970	13.19%	5,551	5.65%	3,901	3.97%
12	98,347	5,177.00	5.56%	19,305	19.63%	44,267	45.01%	19,936	20.27%	9,918	10.08%	4,921	5.00%
13	98,204	5,034.00	5.40%	16,021	16.31%	64,160	65.33%	7,898	8.04%	6,011	6.12%	4,114	4.19%
14	98,156	4,986.00	5.35%	15,874	16.17%	67,426	68.69%	7,571	7.71%	2,608	2.66%	4,677	4.76%
	1,304,379		8.97%	551,174	42.26%	366,393	28.09%	298,764	22.90%	47,820	3.67%	40,228	3.08%

Total Voting Age Population by Race and Ethnicity

	Total Voting Age Population	Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%
1	66,922	51,234	76.56%	8,765	13.10%	5,118	7.65%	585	0.87%	1,220	1.82%
2	88,992	16,175	18.18%	53,891	60.56%	10,363	11.64%	5,003	5.62%	3,560	4.00%
3	66,310	24,388	36.78%	6,922	10.44%	31,872	48.07%	1,438	2.17%	1,690	2.55%
4	67,490	19,029	28.20%	8,672	12.85%	37,010	54.84%	954	1.41%	1,825	2.70%
5	61,012	43,547	71.37%	6,126	10.04%	10,194	16.71%	193	0.32%	952	1.56%
6	65,696	46,167	70.27%	7,068	10.76%	8,547	13.01%	2,674	4.07%	1,240	1.89%
7	64,981	40,744	62.70%	7,259	11.17%	15,136	23.29%	595	0.92%	1,247	1.92%
8	64,652	27,089	41.90%	2,858	4.42%	33,037	51.10%	378	0.58%	1,290	2.00%
9	66,722	33,944	50.87%	14,303	21.44%	14,799	22.18%	1,975	2.96%	1,701	2.55%
10	69,372	21,444	30.91%	14,249	20.54%	25,652	36.98%	5,710	8.23%	2,317	3.34%
11	78,855	19,348	24.54%	41,501	52.63%	10,402	13.19%	4,778	6.06%	2,826	3.58%
12	79,342	14,187	17.88%	37,446	47.20%	15,526	19.57%	8,640	10.89%	3,543	4.47%
13	83,694	12,650	15.11%	55,952	66.85%	6,848	8.18%	5,216	6.23%	3,028	3.62%
14	75,665	11,016	14.56%	53,755	71.04%	5,753	7.60%	2,052	2.71%	3,089	4.08%
	999,705	380,962	38.11%	318,767	31.89%	230,257	23.03%	40,191	4.02%	29,528	2.95%

The Majority/Plurality District percentages are in bold

2. No. of Neighborhoods splits - 48 out of 443 Neighborhood Associations

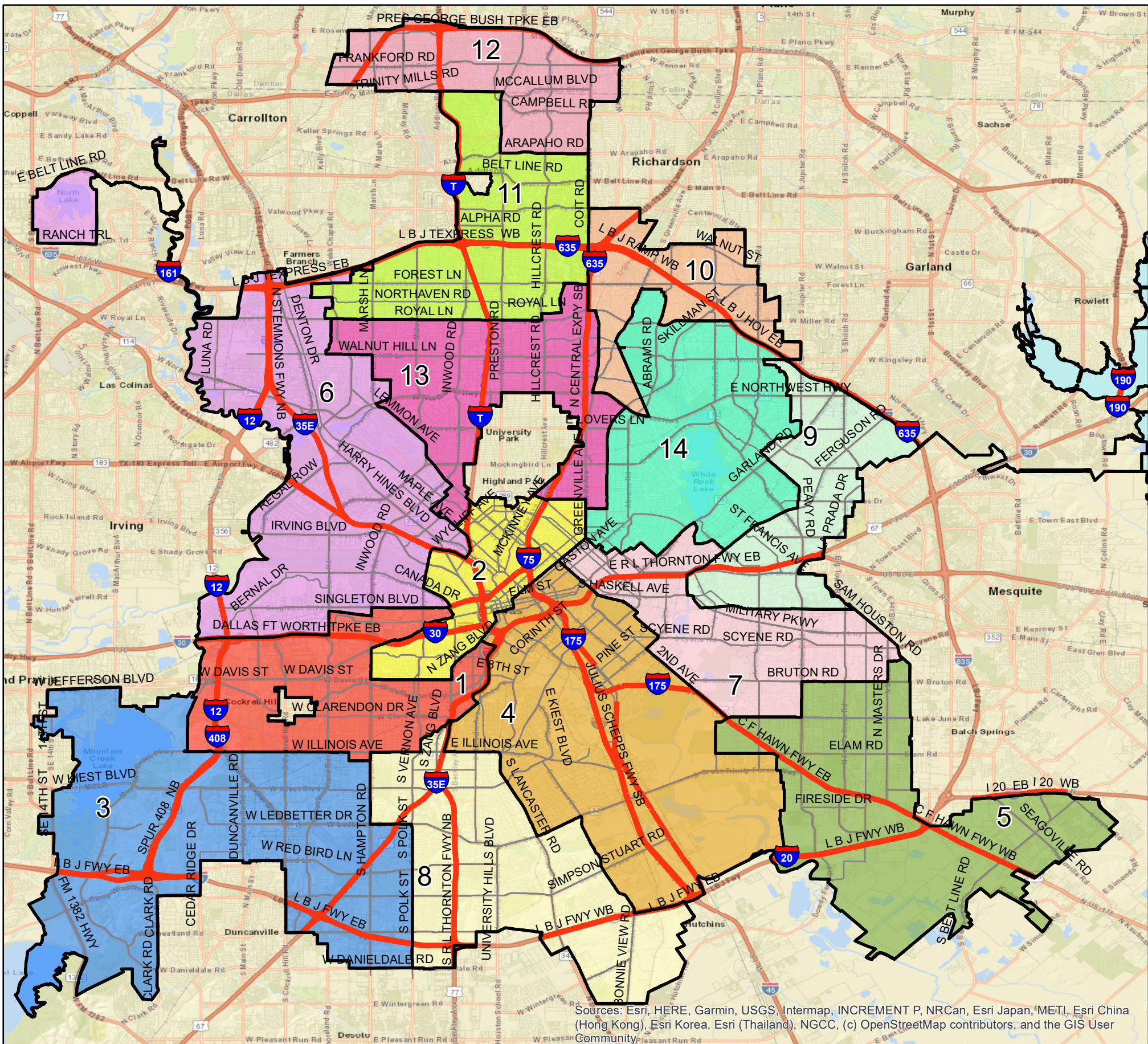
3. Compactness analysis for each district:

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	19.55	32.32	0.35	0.24	0.77	0.48
District 2	11.43	20.25	0.28	0.35	0.78	0.59
District 3	46.74	53.64	0.35	0.20	0.67	0.45
District 4	41.23	32.20	0.33	0.50	0.86	0.71
District 5	32.40	42.47	0.26	0.23	0.63	0.48
District 6	40.98	68.27	0.17	0.11	0.45	0.33
District 7	18.03	26.26	0.24	0.33	0.72	0.57
District 8	27.66	32.05	0.29	0.34	0.71	0.58
District 9	53.81	118.61	0.13	0.05	0.32	0.22
District 10	12.09	27.90	0.26	0.20	0.55	0.44
District 11	20.65	28.96	0.32	0.31	0.66	0.56
District 12	14.12	20.47	0.29	0.42	0.75	0.65
District 13	20.24	36.28	0.27	0.19	0.58	0.44
District 14	24.41	28.23	0.39	0.38	0.83	0.62
Average	27.38	40.57	0.28	0.27	0.66	0.51



2021/22 City of Dallas Redistricting Plan Submission - COD-019-Betzen on 3-11-22

Map Meets the Redistricting Criteria



General Information	
Plan-ID	COD-019-Betzen
Submitted By	Bill Betzen
Submitted On	3/11/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	8.97%
Average Area	27.38
Average Perimeter	40.57
Average Compactness Scores	
Average Reock Score	0.28
Average Polsby-Popper Score	0.27
Average Convex Hull Score	0.66
Average Schwartzberg Score	0.51
Minority Majority Districts	
Number of Minority/Plurality Districts	9 (4 NH-Black, 5 Hisp)
Number of Neighborhood splits	48

Highways

Districts

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

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Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

