



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-036-HOYT (Submitter: William Hoyt)

Date Submitted: 4-14-22

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 – 7.92%

2. Contiguity: All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

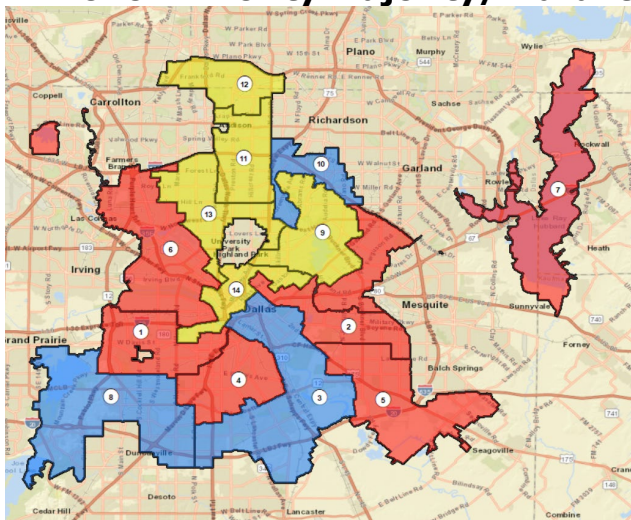
3. Unassigned Units – None

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 – 3(3.8.10)

Hispanic –6
(1, 2, 4, 5, 6, 7)

(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	92,844	-326.00	-0.35%	74,107	79.82%	9,962	10.73%	6,607	7.12%	588	0.63%	1,580	1.70%
2	90,677	-2,493.00	-2.68%	57,032	62.90%	11,334	12.50%	19,371	21.36%	1,106	1.22%	1,834	2.02%
3	90,710	-2,460.00	-2.64%	26,291	28.98%	7,759	8.55%	53,345	58.81%	987	1.09%	2,328	2.57%
4	90,551	-2,619.00	-2.81%	45,565	50.32%	3,424	3.78%	39,192	43.28%	449	0.50%	1,921	2.12%
5	91,525	-1,645.00	-1.77%	70,133	76.63%	7,390	8.07%	12,390	13.54%	224	0.24%	1,388	1.52%
6	94,585	1,415.00	1.52%	67,532	71.40%	9,718	10.27%	12,034	12.72%	3,461	3.66%	1,840	1.95%
7	92,167	-1,003.00	-1.08%	50,823	55.14%	16,220	17.60%	20,245	21.97%	2,537	2.75%	2,342	2.54%
8	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%
9	96,924	3,754.00	4.03%	13,857	14.30%	69,289	71.49%	6,461	6.67%	2,717	2.80%	4,600	4.75%
10	91,024	-2,146.00	-2.30%	31,992	35.15%	13,364	14.68%	34,675	38.09%	7,897	8.68%	3,096	3.40%
11	95,236	2,066.00	2.22%	24,997	26.25%	46,842	49.19%	14,006	14.71%	5,535	5.81%	3,856	4.05%
12	97,927	4,757.00	5.11%	19,066	19.47%	44,036	44.97%	20,005	20.43%	9,964	10.17%	4,856	4.96%
13	93,852	682.00	0.73%	16,943	18.05%	60,081	64.02%	7,098	7.56%	5,785	6.16%	3,945	4.20%
14	95,343	2,173.00	2.33%	16,442	17.25%	59,150	62.04%	10,642	11.16%	4,848	5.08%	4,261	4.47%
	1,304,379		7.92%	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	68,151	52,796	77.47%	8,820	12.94%	4,843	7.11%	487	0.71%	1,205	1.77%
2	66,847	39,373	58.90%	10,521	15.74%	14,542	21.75%	997	1.49%	1,414	2.12%
3	67,524	17,026	25.21%	7,301	10.81%	40,635	60.18%	821	1.22%	1,741	2.58%
4	64,985	29,671	45.66%	2,970	4.57%	30,644	47.16%	380	0.58%	1,320	2.03%
5	62,061	45,318	73.02%	6,175	9.95%	9,471	15.26%	161	0.26%	936	1.51%
6	70,037	47,274	67.50%	8,894	12.70%	9,485	13.54%	2,984	4.26%	1,400	2.00%
7	68,084	34,740	51.03%	14,332	21.05%	15,325	22.51%	1,974	2.90%	1,713	2.52%
8	66,310	24,388	36.78%	6,922	10.44%	31,872	48.07%	1,438	2.17%	1,690	2.55%
9	75,459	9,762	12.94%	55,559	73.63%	4,959	6.57%	2,153	2.85%	3,026	4.01%
10	67,404	21,562	31.99%	11,828	17.55%	26,127	38.76%	5,674	8.42%	2,213	3.28%
11	77,185	18,016	23.34%	40,216	52.10%	11,326	14.67%	4,824	6.25%	2,803	3.63%
12	79,543	14,051	17.66%	37,656	47.34%	15,617	19.63%	8,684	10.92%	3,535	4.44%
13	79,198	13,217	16.69%	51,939	65.58%	6,138	7.75%	4,999	6.31%	2,905	3.67%
14	86,917	13,768	15.84%	55,634	64.01%	9,273	10.67%	4,615	5.31%	3,627	4.17%
	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 - 65 out of 443 Neighborhood Associations

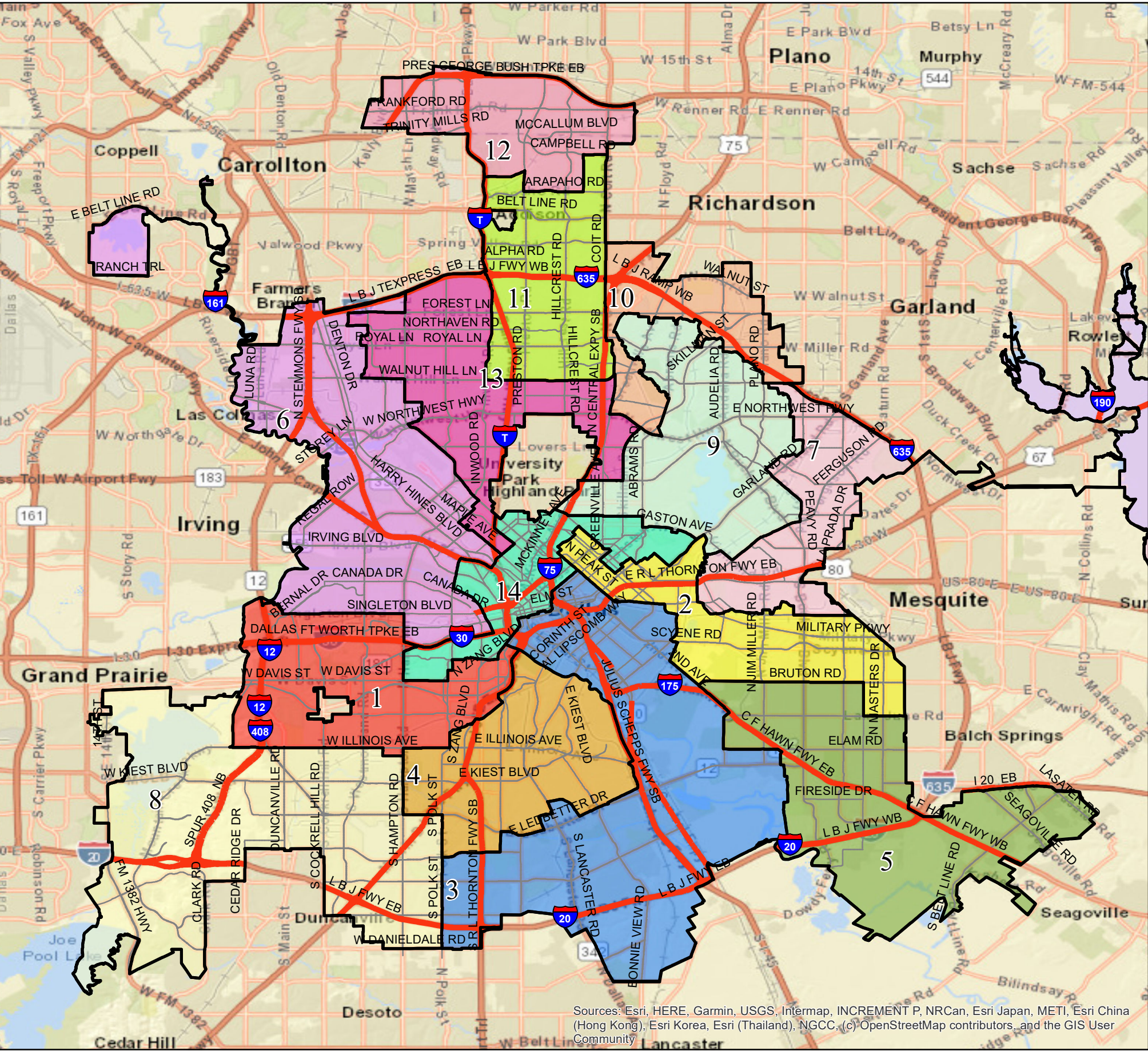
3. Compactness analysis for each district:

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	21.68	30.83	0.37	0.29	0.80	0.54
District 2	16.71	31.10	0.19	0.22	0.61	0.47
District 3	48.90	47.92	0.27	0.27	0.63	0.52
District 4	20.59	22.64	0.35	0.50	0.83	0.71
District 5	33.39	42.37	0.26	0.23	0.68	0.48
District 6	40.17	67.93	0.17	0.11	0.46	0.33
District 7	53.99	120.39	0.13	0.05	0.32	0.22
District 8	46.77	53.75	0.35	0.20	0.67	0.45
District 9	24.05	31.70	0.18	0.30	0.54	0.55
District 10	11.70	31.45	0.25	0.15	0.53	0.39
District 11	17.95	23.78	0.39	0.40	0.85	0.63
District 12	15.06	20.50	0.31	0.45	0.82	0.67
District 13	20.64	37.98	0.21	0.18	0.54	0.42
District 14	11.77	29.88	0.18	0.17	0.58	0.41
Average	27.38	42.30	0.26	0.25	0.63	0.48

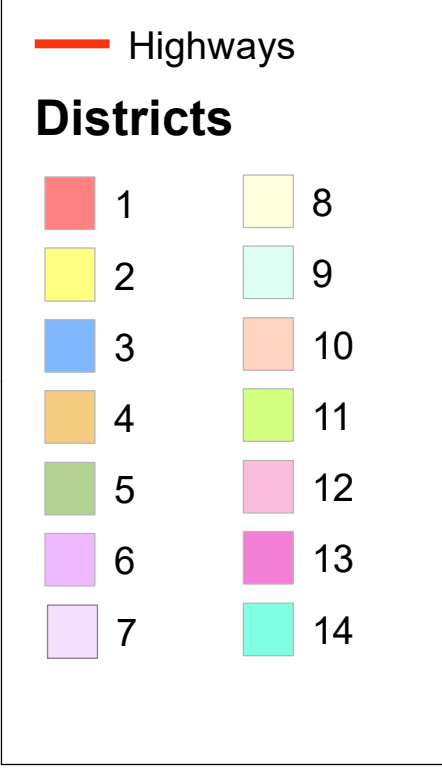


2021/22 City of Dallas Redistricting Plan Submission - COD-036-Hoyt on 4-14-22

Map Meets the Redistricting Criteria



General Information	
Plan-ID	COD-036-Hoyt
Submitted By	William Hoyt
Submitted On	4/14/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	7.92%
Average Area	27.38
Average Perimeter	42.30
Average Compactness Scores	
Average Reock Score	0.26
Average Polsby-Popper Score	0.25
Average Convex Hull Score	0.63
Average Schwartzberg Score	0.48
Minority Majority Districts	
Number of Minority/Plurality Districts	9(3 NHBlack, 4 Hisp)
Number of Neighborhood splits	65



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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

