



City of Dallas 2021-22 Redistricting

Submitted Map Analysis

Plan Summary – Plan ID: COD-006 (Submitter: Bill Betzen)

Date Submitted: - 1-19-21

Current Status: Approved by Commission (1/24/2022) for further review

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 – 1.47%

- 2. Contiguity:** All districts should be geographically contiguous.

Plan meets Criteria

Plan does not meet Criteria

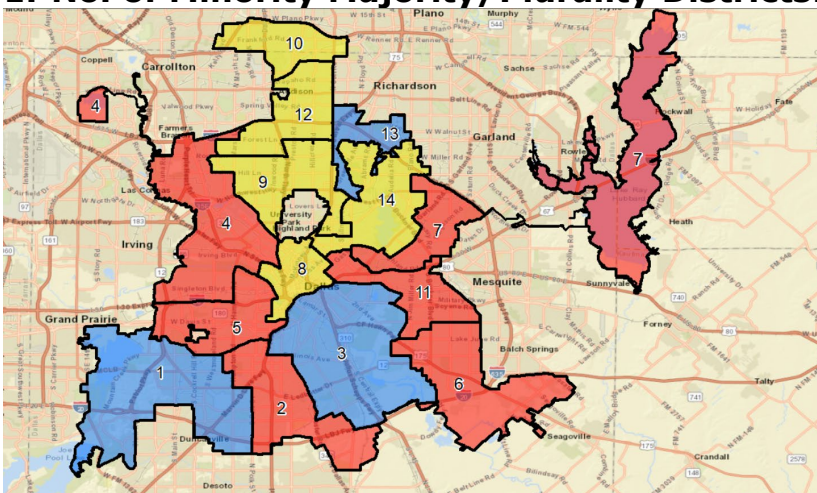
- 3. Unassigned Units – None**

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 (1,3,13)

Hispanic – 6
(2,4,5,6,7,11)

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

Total Population by Race and Ethnicity

District	Total Population	Deviation		Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1	92,739	-431.00	-0.46%	38,380	41.38%	7,888	8.51%	42,275	45.58%	1,802	1.94%	2,394	2.58%
2	93,226	56.00	0.06%	46,485	49.86%	4,430	4.75%	39,822	42.72%	482	0.52%	2,007	2.15%
3	92,543	-627.00	-0.67%	35,355	38.20%	3,923	4.24%	50,831	54.93%	316	0.34%	2,118	2.29%
4	93,610	440.00	0.47%	64,166	68.55%	11,856	12.67%	11,501	12.29%	4,056	4.33%	2,031	2.17%
5	92,796	-374.00	-0.40%	69,253	74.63%	13,030	14.04%	8,066	8.69%	789	0.85%	1,658	1.79%
6	92,750	-420.00	-0.45%	68,478	73.83%	7,351	7.93%	15,238	16.43%	238	0.26%	1,445	1.56%
7	93,457	287.00	0.31%	47,139	50.44%	24,032	25.71%	16,760	17.93%	2,753	2.95%	2,773	2.97%
8	93,248	78.00	0.08%	17,954	19.25%	52,043	55.81%	13,673	14.66%	5,532	5.93%	4,046	4.34%
9	93,546	376.00	0.40%	15,194	16.24%	62,669	66.99%	6,320	6.76%	5,474	5.85%	3,889	4.16%
10	93,913	743.00	0.80%	18,809	20.03%	40,063	42.66%	20,442	21.77%	9,923	10.57%	4,676	4.98%
11	93,192	22.00	0.02%	59,075	63.39%	10,508	11.28%	20,856	22.38%	880	0.94%	1,873	2.01%
12	93,422	252.00	0.27%	24,634	26.37%	48,024	51.41%	12,010	12.86%	4,934	5.28%	3,820	4.09%
13	93,038	-132.00	-0.14%	33,188	35.67%	13,735	14.76%	35,104	37.73%	7,915	8.51%	3,096	3.33%
14	92,899	-271.00	-0.29%	13,064	14.06%	66,841	71.95%	5,866	6.31%	2,726	2.93%	4,402	4.74%
	1,304,379		1.47%	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

District	Total Voting Age Population	Hispanic		NH-White		NH-Black		NH-Asian		NH-Other	
		#	%	#	%	#	%	#	%	#	%
1	67,431	25,838	38.32%	6,980	10.35%	31,430	46.61%	1,504	2.23%	1,679	2.49%
2	67,708	30,695	45.33%	3,900	5.76%	31,302	46.23%	407	0.60%	1,404	2.07%
3	66,628	22,616	33.94%	3,513	5.27%	38,765	58.18%	225	0.34%	1,509	2.26%
4	69,709	45,015	64.58%	10,904	15.64%	8,716	12.50%	3,492	5.01%	1,582	2.27%
5	69,403	49,435	71.23%	11,541	16.63%	6,424	9.26%	703	1.01%	1,300	1.87%
6	62,631	44,131	70.46%	6,130	9.79%	11,219	17.91%	171	0.27%	980	1.56%
7	69,896	32,366	46.31%	20,802	29.76%	12,586	18.01%	2,141	3.06%	2,001	2.86%
8	86,737	15,389	17.74%	50,649	58.39%	11,842	13.65%	5,275	6.08%	3,582	4.13%
9	78,317	11,690	14.93%	53,688	68.55%	5,530	7.06%	4,654	5.94%	2,755	3.52%
10	77,234	14,020	18.15%	35,012	45.33%	16,020	20.74%	8,705	11.27%	3,477	4.50%
11	67,877	40,484	59.64%	9,325	13.74%	15,883	23.40%	778	1.15%	1,407	2.07%
12	73,741	17,413	23.61%	39,920	54.14%	9,507	12.89%	4,242	5.75%	2,659	3.61%
13	69,012	22,474	32.57%	12,191	17.67%	26,412	38.27%	5,718	8.29%	2,217	3.21%
14	73,381	9,396	12.80%	54,212	73.88%	4,621	6.30%	2,176	2.97%	2,976	4.06%
	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 - 50 out of 443 Neighborhood Associations

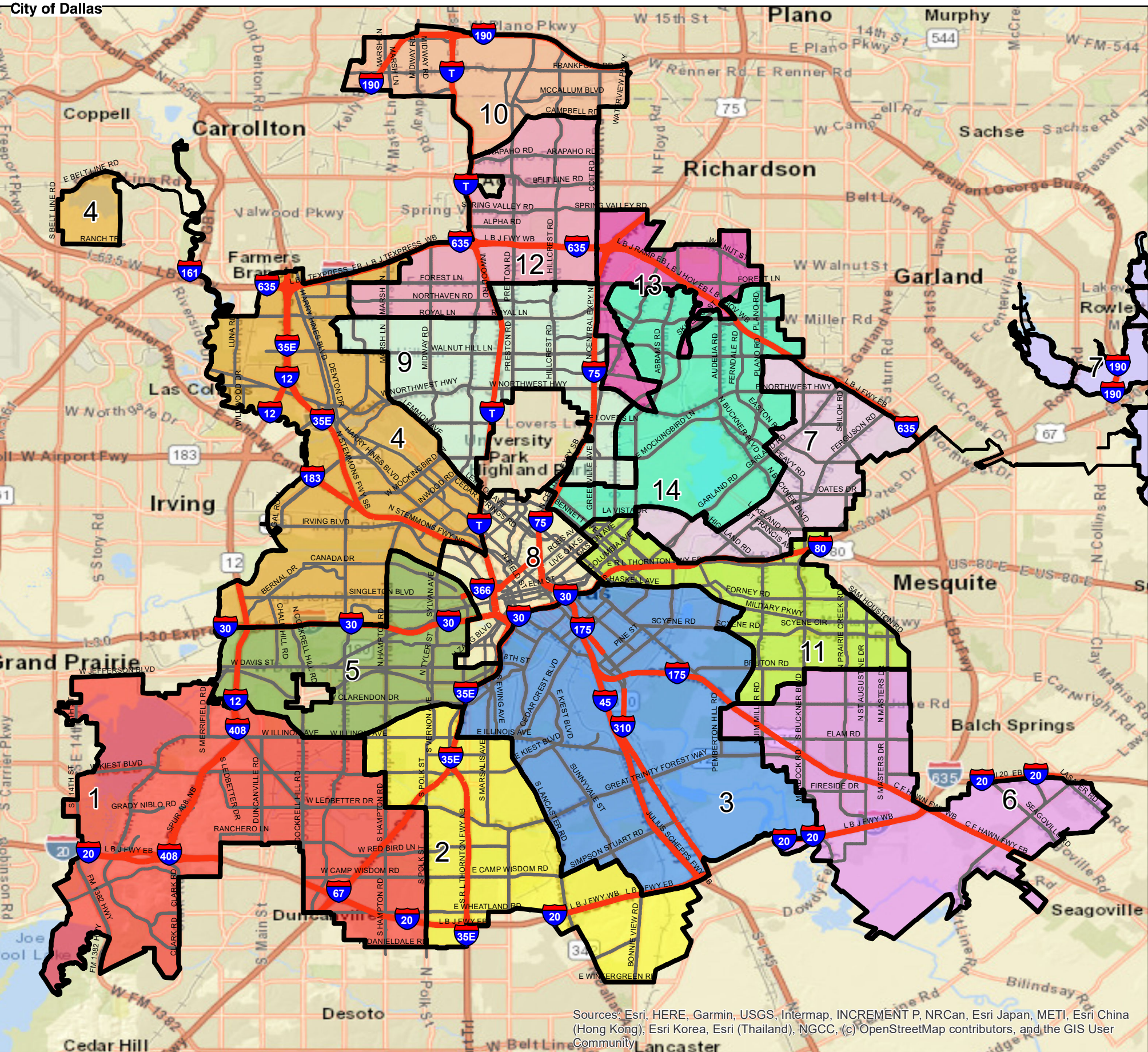
3. Compactness analysis for each district:

District	Area:	Perimeter:	Reock	Polsby-Popper	Convex Hull Ratio:	Schwartzberg
District 1	48.10	54.18	0.36	0.21	0.69	0.45
District 2	27.30	33.61	0.26	0.30	0.67	0.55
District 3	47.37	35.25	0.38	0.48	0.83	0.69
District 4	41.03	67.60	0.17	0.11	0.43	0.34
District 5	19.36	29.47	0.31	0.28	0.73	0.53
District 6	31.81	42.79	0.27	0.22	0.65	0.47
District 7	53.78	117.89	0.12	0.05	0.32	0.22
District 8	10.49	19.14	0.31	0.36	0.72	0.60
District 9	21.63	34.41	0.30	0.23	0.66	0.48
District 10	13.71	19.69	0.28	0.44	0.77	0.67
District 11	16.26	29.13	0.22	0.24	0.57	0.49
District 12	18.56	26.90	0.33	0.32	0.77	0.57
District 13	9.27	30.47	0.24	0.13	0.55	0.35
District 14	24.70	41.56	0.35	0.18	0.68	0.42
Average	27.38	41.58	0.28	0.25	0.64	0.49

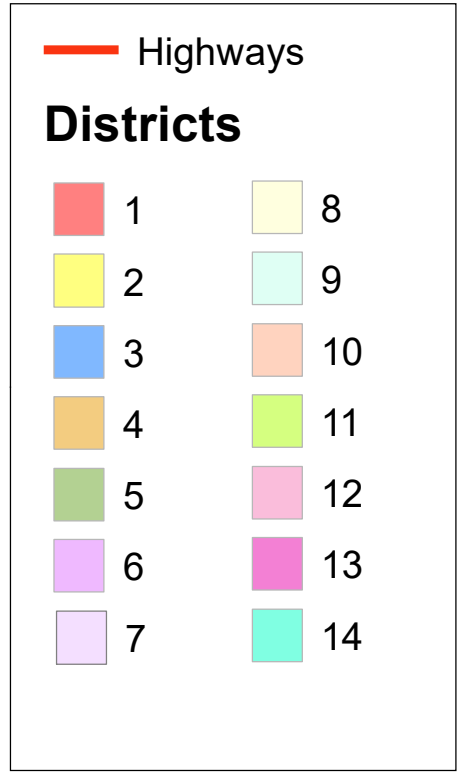


2021/22 City of Dallas Redistricting Plan Submission - COD-006-Betzen on 1-19-22

Map Meets the Redistricting Criteria



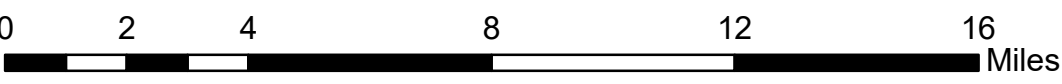
General Information	
Plan-ID	COD-006
Submitted By	Bill Betzen
Submitted On	1/19/2022
Status	Meets Criteria
Deviation, Area and Perimeter	
Maximum Deviation	1.47%
Average Area	27.38
Average Perimeter	41.58
Average Compactness Scores	
Average Reock Score	0.28
Average Polsby-Popper Score	0.25
Average Convex Hull Score	0.64
Average Schwartzberg Score	0.49
Minority Majority Districts	
Number of Minority/Plurality Districts	9
Number of Neighborhood splits	50



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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



Demographic Data Source: 2020 - PL94-171 Data from Bureau of Census; Geography: 2020 Census Blocks from the Bureau of Census; Districts: As Drawn by the Plan Submitter

