



LEE'S SUMMIT MISSOURI

September 8, 2021

To: Mayor Baird and Members of the City Council

From: Ryan Elam, Director of Development Services
Josh Johnson, Assistant Director of Plan Services
Victoria Nelson, Planner

RE: Update on City Council Redistricting

Based upon feedback received at the September 7, 2021 City Council meeting, Scenario 1 has been updated and is now referenced as Exhibit A. An analysis of Exhibit A is included in the table below.

	Exhibit A								
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	19860	2233	445	57	543	1588	93	520	25339
2	20291	2380	687	32	387	1144	55	679	25655
3	18676	2435	796	23	325	1092	76	712	24135
4	20689	1971	473	35	459	1574	97	681	25979
Total	79516	9019	2401	147	1714	5398	321	2592	101108
	Exhibit A								
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	78%	9%	2%	0%	2%	6%	0%	2%	100%
2	79%	9%	3%	0%	2%	4%	0%	3%	100%
3	77%	10%	3%	0%	1%	5%	0%	3%	100%
4	80%	8%	2%	0%	2%	6%	0%	3%	100%
Total	79%	9%	2%	0%	2%	5%	0%	3%	100%

Further, the total population of each district was compared to the optimum population per district of 25,277.

District	Exhibit A	Optimum	Δ	% Δ
1	25339	25277	62	0.25%
2	25655	25277	378	1.50%
3	24135	25277	-1142	-4.52%
4	25979	25277	702	2.78%

The proposed scenario in Exhibit A yields a maximum deviation from the optimum of 7.3% between District 3 and District 4. This constitutes a minor deviation in apportionment and is under the maximum population deviation threshold of 10%.

The remainder of this memo has previously been provided and is included for reference.

Update – August 26, 2021

On Thursday August 12, 2021 the United States Census Bureau released the results of the 2020 Census in a legacy format for use in the City Council Redistricting process. Development Services and Information Technology Services staff have processed the information into a usable format and updated the three previously mapped scenarios with the official information. Table 1 shows the overall population results of the proposed scenarios.

Table 1 - Overall Population

District	Scenario			
	Existing	1	2	3
1	23580	25183	25248	25501
2	27498	25209	25489	25336
3	25662	25433	25184	25136
4	24368	25283	25187	25135
Total	101108	101108	101108	101108

Each scenario produced total population differences between districts of no more than ± 1%.

The tables 2 – 5 show the race and ethnicity statistics for each district based upon the developed scenarios. The tables contain both the overall population numbers as well as a percentage of population for each district.

In the tables the following abbreviations are used:

- W = White alone
- BAA = Black or African American
- A = Asian alone
- NHOPI = Native Hawaiian and Other Pacific Islander
- Other = Some other race alone
- HL = Hispanic or Latino
- AIAN = American Indian and Alaskan Native Alone
- 2 or More = Two or More Races

Table 2 - Existing Scenario Demographics

Existing									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	18735	1938	412	55	404	1319	88	629	23580
2	21932	2462	707	35	398	1218	58	688	27498
3	19558	2756	807	23	468	1391	87	572	25662
4	19291	1863	475	34	444	1470	88	703	24368
Total	79516	9019	2401	147	1714	5398	321	2592	101108
Existing									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	79%	8%	2%	0%	2%	6%	0%	3%	100%
2	80%	9%	3%	0%	1%	4%	0%	3%	100%
3	76%	11%	3%	0%	2%	5%	0%	2%	100%
4	79%	8%	2%	0%	2%	6%	0%	3%	100%
Total	79%	9%	2%	0%	2%	5%	0%	3%	100%

Table 3 - Scenario 1 Demographics

Scenario 1									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	19781	2104	424	60	533	1587	95	599	25183
2	19938	2361	687	29	386	1134	55	619	25209
3	19762	2551	824	23	349	1182	82	660	25433
4	20035	2003	466	35	446	1495	89	714	25283
Total	79516	9019	2401	147	1714	5398	321	2592	101108
Scenario 1									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	79%	8%	2%	0%	2%	6%	0%	2%	100%
2	79%	9%	3%	0%	2%	4%	0%	2%	100%
3	78%	10%	3%	0%	1%	5%	0%	3%	100%
4	79%	8%	2%	0%	2%	6%	0%	3%	100%
Total	79%	9%	2%	0%	2%	5%	0%	3%	100%

Table 4 - Scenario 2 Demographics

Scenario 2									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	20050	2026	372	61	533	1576	87	543	25248
2	19982	2546	731	32	387	1128	59	624	25489
3	19703	2315	805	24	346	1221	90	680	25184
4	19781	2132	493	30	448	1473	85	745	25187
Total	79516	9019	2401	147	1714	5398	321	2592	101108
Scenario 2									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	79%	8%	1%	0%	2%	6%	0%	2%	100%
2	78%	10%	3%	0%	2%	4%	0%	2%	100%
3	78%	9%	3%	0%	1%	5%	0%	3%	100%
4	79%	8%	2%	0%	2%	6%	0%	3%	100%
Total	79%	9%	2%	0%	2%	5%	0%	3%	100%

Table 5 - Scenario 3 Demographics

Scenario 3									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	20145	2106	363	41	528	1609	89	620	25501
2	19714	2514	692	52	392	1225	69	678	25336
3	19790	2432	756	20	357	1126	77	578	25136
4	19867	1967	590	34	437	1438	86	716	25135
Total	79516	9019	2401	147	1714	5398	321	2592	101108
Scenario 3									
District	W	BAA	A	NHOPI	Other	HL	AIAN	2 or More	Total
1	79%	8%	1%	0%	2%	6%	0%	2%	100%
2	78%	10%	3%	0%	2%	5%	0%	3%	100%
3	79%	10%	3%	0%	1%	4%	0%	2%	100%
4	79%	8%	2%	0%	2%	6%	0%	3%	100%
Total	79%	9%	2%	0%	2%	5%	0%	3%	100%

The tables indicate that each proposed scenario appears to represent the general racial and ethnic breakdown of the city as a whole ± 1%.

The following maps are attached to this memo as exhibits:

- Exhibit A – Current City Council District Map
- Exhibit B – Scenario 1
- Exhibit C – Scenario 2

Exhibit D – Scenario 3

Exhibit E – Highlighted Changes Between Current Districts and Scenario 1

Exhibit F – Highlighted Changes Between Current Districts and Scenario 2

Exhibit G – Highlighted Changes Between Current Districts and Scenario 3

The remainder of this memo was originally provided on July 6, 2021 and is included for reference.

Original Message – July 6, 2021

Per City Council direction, Development Services staff has been performing preliminary analysis of changes in population based upon the most currently available information. This information is ahead of official 2020 census data being released, and the purpose is to estimate what the official changes may be when the official data is released by the U.S. Census Bureau. Official data is expected to be available in September 2021. Three scenarios are provided for discussion purposes. These are attempts to follow major roads and only represent three possible solutions.

At this time, the most recent and complete population data that is available is the 2019, 5-Year American Community Survey (ACS) from the United States Census. Using the ACS website, we were able to pull population numbers from the census tract and block group levels. 2020 Building permit data was then added to the 2019 ACS numbers to provide an estimate for 2020 population.

Three scenarios were prepared to balance population between the four districts. These are attached to your packet as Scenarios 1-3. Each scenario attempts to make changes to the existing boundaries that follow common geographic features such as major roads. The numbers for each council district after the changes are depicted on each map. A second set of maps highlights the changes with some hatched areas. These help to focus on proposed district boundary movement. The table below summarizes the numbers for each scenario.

District	2020 Estimate	Scenario 1	Scenario 2	Scenario 3
1	26,931	24,887	24,905	24,961
2	26,987	24,655	24,582	24,645
3	22,092	24,949	24,961	24,570
4	23,129	24,648	24,691	24,963
Total	99,139	99,139	99,139	99,139

There are a variety of approaches that would balance the population between the districts. The three options presented are included to start the discussion about redistricting ahead of official census numbers and are not meant to be taken as the only possible solutions. The caveat with this work is that demographics were not considered, only raw population. Demographic analysis will have to wait until 2020 data is received from the federal government.