



STREET RANGE FILE AND DATA PREPARATION

TO SUPPORT REDISTRICTING

Street Range File

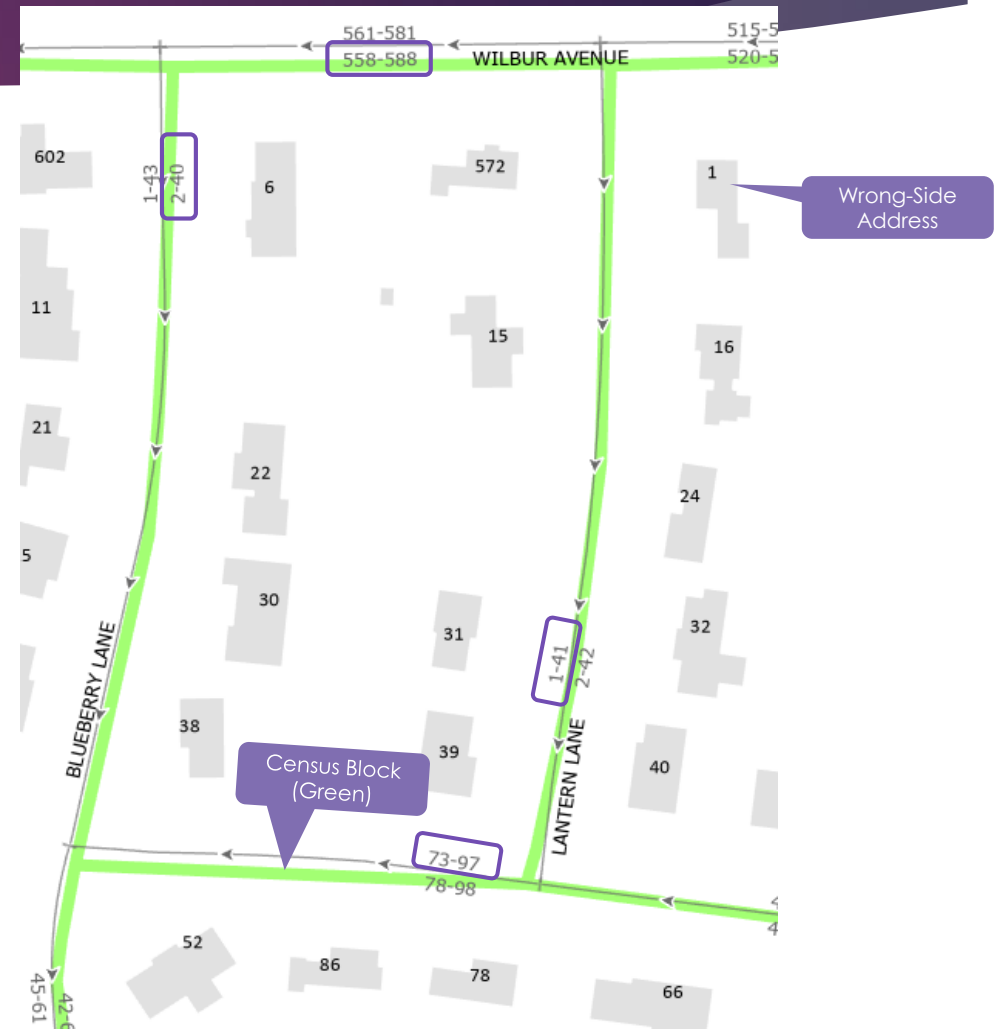
- ▶ Upon Completion of Redistricting Process, City Must Create **List of Address Ranges** Contained Within Each Ward/District (Precinct)
 - ▶ State's Central Voter Registration System (CVRS) Looks Up Voter's Precinct From Street Range File

TOWNAME	LOW RANGE	HIGH RANGE	SIDE	STREET NAME	POSTAL CITY	ZIP CODE	ZIP4 CODE	PRECINCT
CRANSTON	54	184	E	LAMBERT ST	CRANSTON	02910		0721
CRANSTON	1	29	O	LANG CT	CRANSTON	02921		0707
CRANSTON	2	28	E	LANG CT	CRANSTON	02921		0707
CRANSTON	1	41	O	LANTERN LN	CRANSTON	02921		0708
CRANSTON	2	42	E	LANTERN LN	CRANSTON	02921		0708
CRANSTON	1	19	O	LARCH ST	CRANSTON	02920		0716
CRANSTON	2	22	E	LARCH ST	CRANSTON	02920		0716
CRANSTON	1	69	O	LARK AVE	CRANSTON	02920		0702
CRANSTON	2	56	E	LARK AVE	CRANSTON	02920		0702
CRANSTON	1	69	O	LARKSPUR DR	CRANSTON	02920		0709
CRANSTON	2	70	E	LARKSPUR DR	CRANSTON	02920		0709

But...Redistricting is a **Map-Based** Process Using **Census Blocks** (Geographic Areas)

Census Block and Address Ranges

- ▶ Must Create CVRS Street List in Short Period Of Time
- ▶ Must Establish Relationship Between Census Blocks and Address Range



Redistricting Requirement – Voter Limits

- ▶ Precinct Cannot Contain More Than 3,000 Voters (RIGL 17-11-1)
- ▶ To Determine Compliance, We Must Be Able To Count Voters in Each Census Block
- ▶ Use Process Called Geocoding
 - ▶ **Geocoding** is the process of determining geographic coordinates for place names, street addresses, and codes
 - ▶ Geocoding Success Depends on Reference Data
 - ▶ E911 Site Addresses
 - ▶ City Road Centerline Ranges
- ▶ Geocode Voter Addresses To Count Voters Per Block

Working to Achieve 100% Accuracy

- ▶ Goal: Develop Methods and Data So We Can
 - ▶ Accurately Produces Street Range List From Map
 - ▶ Accurate Voter Counts Per Block
- ▶ Work Began Census Block Geographies Released February 12, 2021
 - ▶ Match Ranges to Blocks
- ▶ Identify and Handle Problem Addresses
 - ▶ Out-of-Sequence
 - ▶ Wrong Side of Street
- ▶ 90% Complete
 - ▶ Fine-Tuning Ranges
 - ▶ Look for Exceptions

Other Ongoing Redistricting Efforts

- ▶ Compiling Block-Based Data
 - ▶ Assigning Existing Wards, Precincts, State Districts
- ▶ Internal Tools to Create and Manage Many Plans
- ▶ Report to Determine Compliance with Population Distribution and Voter Limits
- ▶ Public Access to Plans and Census Data
 - ▶ Plan Viewer GIS Website
 - ▶ Plan Comparison GIS Website

Upcoming Data Initiatives

- ▶ Community of Interest

- ▶ **What is a Community of Interest?** A community of interest is a neighborhood, community, or group of people who have common policy concerns and would benefit from being maintained in a single district. Another way of understanding a community of interest is that it is simply a way for a community to tell its own story about what neighbors share in common, and what makes it unique when compared to surrounding communities. They are defined by the local community members.

(Source: Loyola Law School <https://redistricting.lls.edu/>)

Questions?

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